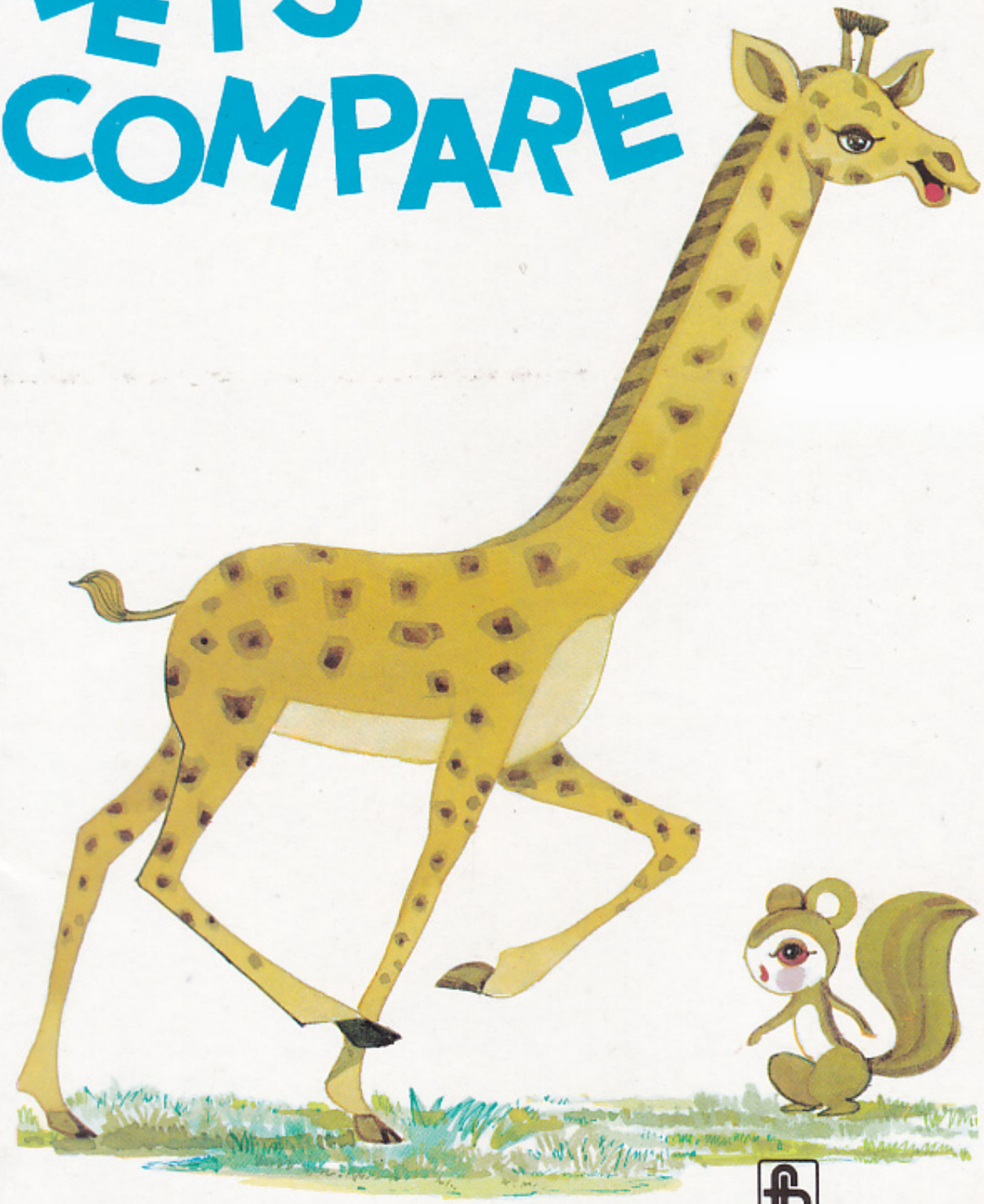
LET'S COMPARE



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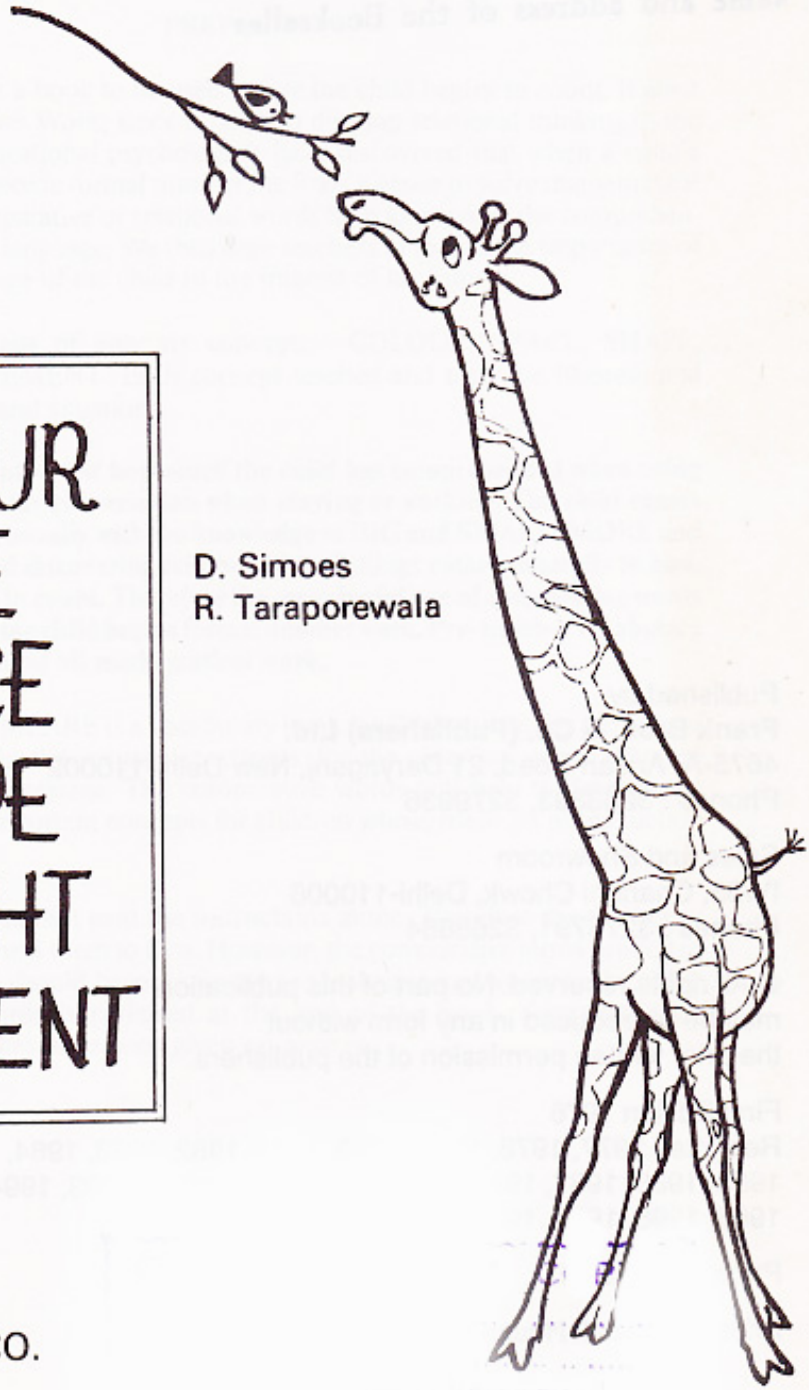

COLOUR
SIZE
SPACE
SHAPE
WEIGHT
MOVEMENT

D. Simoes
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PREFACE

Let's Compare is a book to be used before the child begins to count. It **must** precede formal number Work; since it helps to develop relational thinking in the perceptual child. Educational psychologists have discovered that when a child's relational concepts precede formal number, he finds it easier to solve mathematical problems. These comparative or relational words help to improve the comprehension of mathematical language. We thus urge teachers to realise the importance of the developmental stage of the child in the interest of his future.

This book consists of only six concepts:– COLOUR, SPACE, SHAPE, WEIGHT and MOVEMENT. Each concept teaches and tests the likeness and differences of things and situations.

The book is meant to test how much the child has comprehended when using comparative words in his conversation when playing or working. The child comes to the nursery school, usually with the knowledge of BIG and SMALL; MORE and LESS. Comparing and discovering relationships of things comes naturally to him, even before he begins to count. Therefore the meaningful use of comparative words must be taught before the child begins formal number work. Pre-number vocabulary is the basic foundation of all mathematical work.

Since LET'S COMPARE is a vocabulary book it will also serve the purpose of a **reading workbook** in the vernacular schools, for the older age group who are learning the English language. The comparative words will help to develop the vocabulary of these important concepts for children whose medium of instruction is not ENGLISH.

Note: The child cannot read the instructions alone. Therefore the teacher or parent is expected to read them to him. However, the comparative terms printed in CAPITAL LETTERS should become familiar as **look-and-say** words to the child. The entire list of words is reviewed at the end of the book. Suggestions for equipment and activities have been given on page iv.

SUGGESTIONS FOR EQUIPMENT AND APPARATUS

EQUIPMENT

The outdoor equipment usually consists of a monkey or climbing bar, slide, a swing, a see-saw, a merry-go-round and a sand-pit. These can also be found in parks if a school cannot have them. Children love going UP, DOWN, UNDER, OVER, HIGH, LOW and AROUND. Thus begins the meaningful use of the words from SPACE.

The indoor play equipment depends on a class budget and space. The Wendy House is commonly used by children to enact adult roles in playing house-house. They shop, cook, set tables, iron, dress like grown-ups, have feeding times for the dolls, and so the concepts of QUANTITY and TIME are incidently learnt. The teacher will also have to plan lessons to create learning situations as topical conversations arise. Therefore, the teacher may find that he/she cannot keep to the sequence of the concepts. Each class situation is a unique one.

APPARATUS

Colour and Shape : Flat and solid shapes, inset-boards, are available in many colours. Children match colours and shapes. They build pictures and symmetrical or free patterns. They race around shapes to make their own pictures and then colour them. They can also cut and stick shapes from paper, straws, or cloth. COLOUR and SHAPE can be incorporated into art lessons.

Size and Space : Building blocks and bricks are made from plastic and wood. They can be made by stuffing and covering empty boxes and cartons with coloured paper. Children then build towers, bridges, buildings, arches, etc. They begin to use words like TALL, HIGH, SHORT, WIDE, NARROW, etc. They can also have cars go UNDER the arch, and OVER the bridge. Many of the words from SPACE can be meaningfully used here.

Measuring rods in coloured sections, tapes, ribbons, strings are all useful in helping children find out how TALL, how SHORT, how LONG, how DEEP things are. They measure and cut out paper clothes, their own silhouettes streamers and many things needed all the year round for various projects.

Weight : An accurate pair of scales is very important to keep in a classroom. Another can be improvised from a hanger and two coconut shells. Weighing material consists of sand, pebbles, bottle-tops, seeds, corks, etc. One item is weighed against the other, rather than using numerical weights at this early stage, e.g. children weigh their pets against so many pebbles, or pencils. So they will use words like HEAVIER, LIGHTER, AS HEAVY, AS LIGHT.

Movement : Children can bring their toy trains, cars, buses, boats, and planes for a project on transport. Perhaps sorting them out according to things that ROLL, FLOAT, FLY may help. Some of them can be made with old boxes and reels. Musical games and eurhythmics are a good way of getting children to distinguish different forms of movement, such as STOP, GO, PUSH, PULL, ROLL, etc. Words from the other concepts can also be adapted to musical movement.

These are only suggestions. The teacher will of course create and develop his/her own ideas as the occasion calls for. A lot of apparatus can be made or bought at low cost.

COLOURS

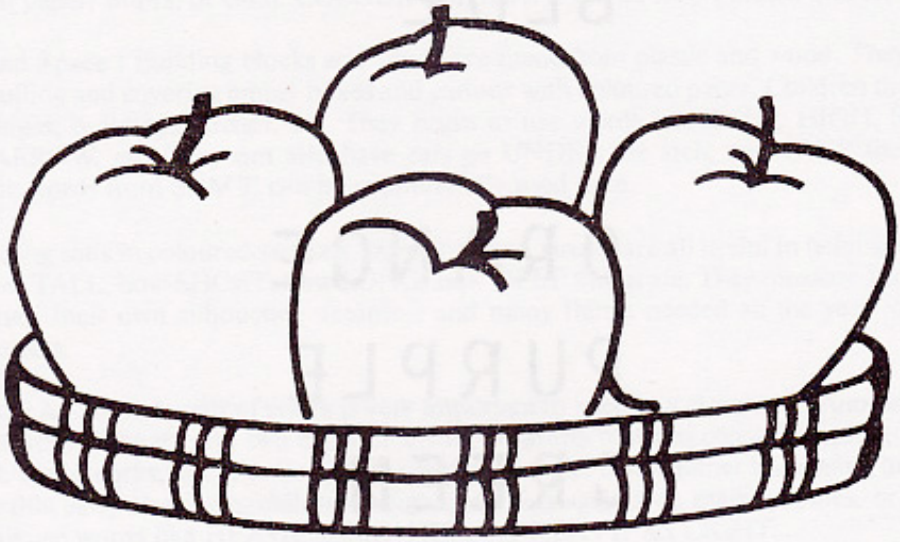
RED
YELLOW
BLUE

ORANGE
PURPLE
GREEN
BROWN

RED

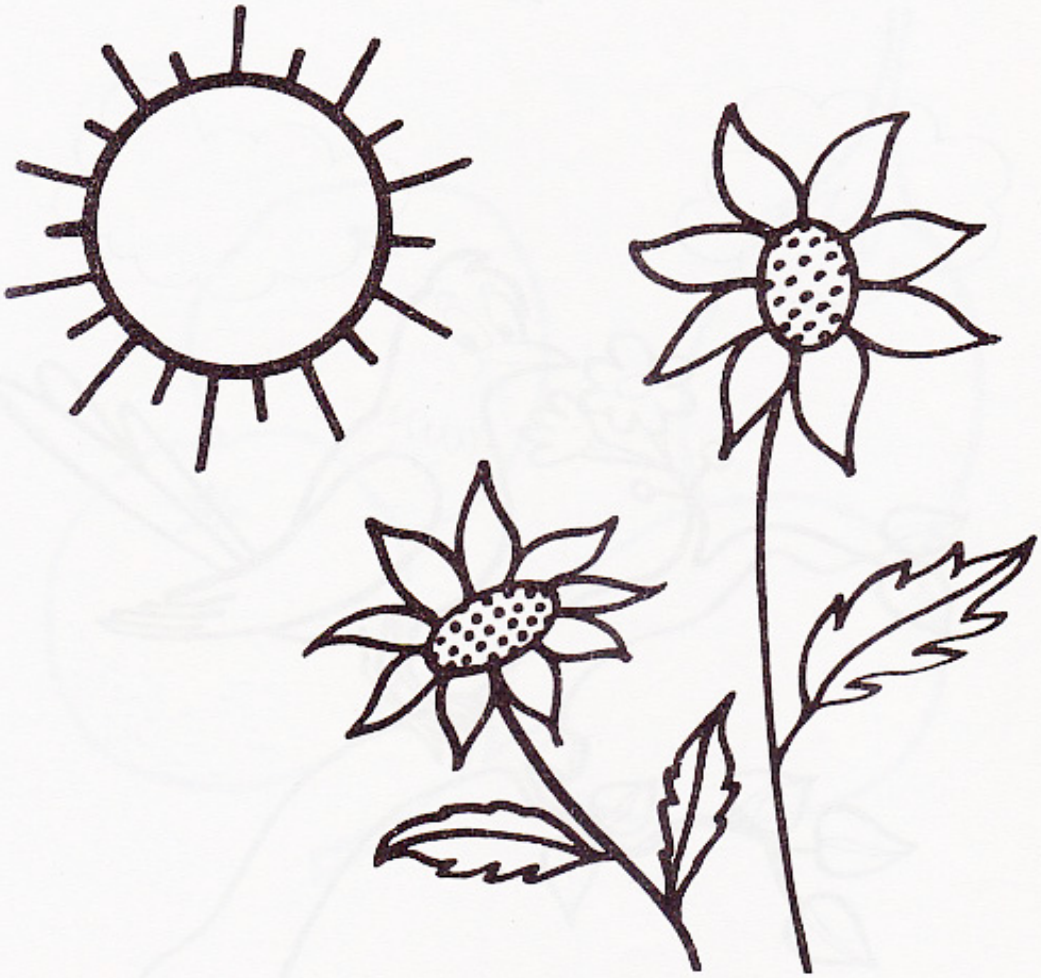
Apples are RED.

Colour these apples RED.



YELLOW

The sun is YELLOW.
Sunflowers are YELLOW too.
Colour the sun YELLOW.

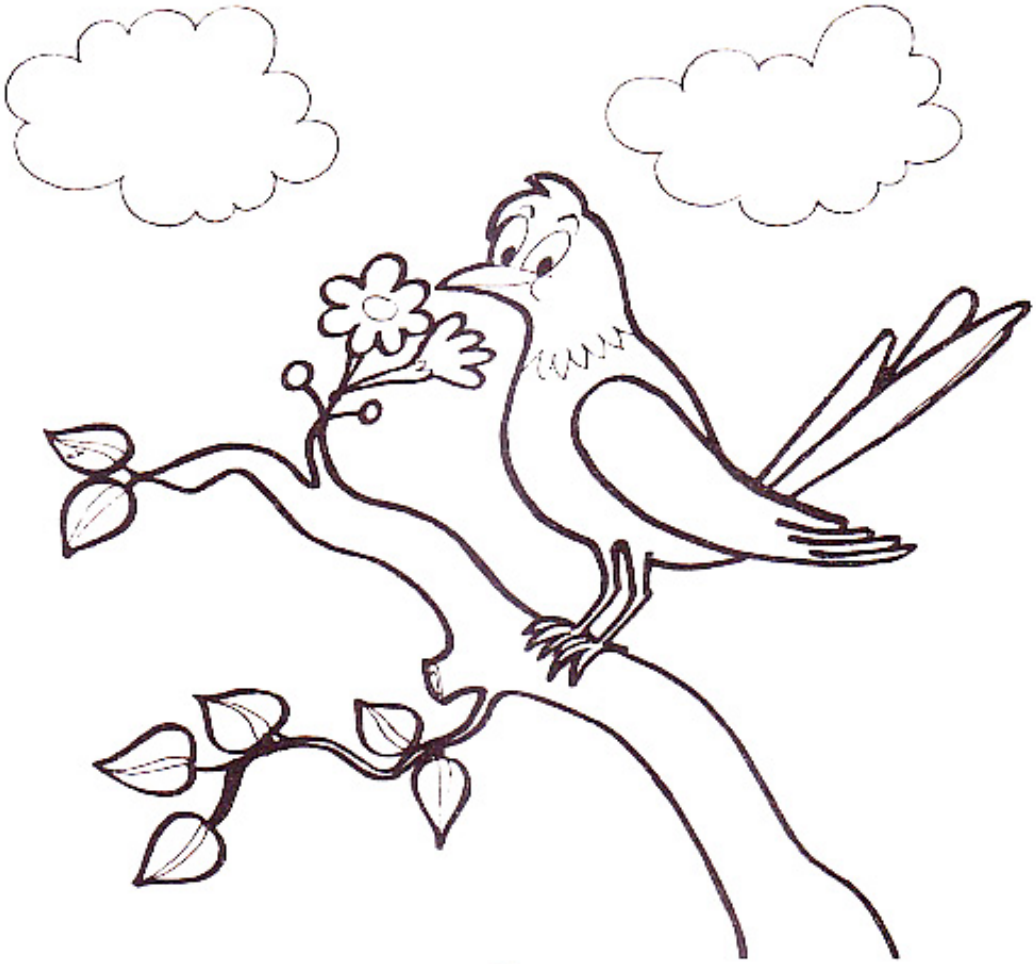


BLUE

The sky is BLUE.

The kingfisher is BLUE too.

Colour the kingfisher.



ORANGE PURPLE

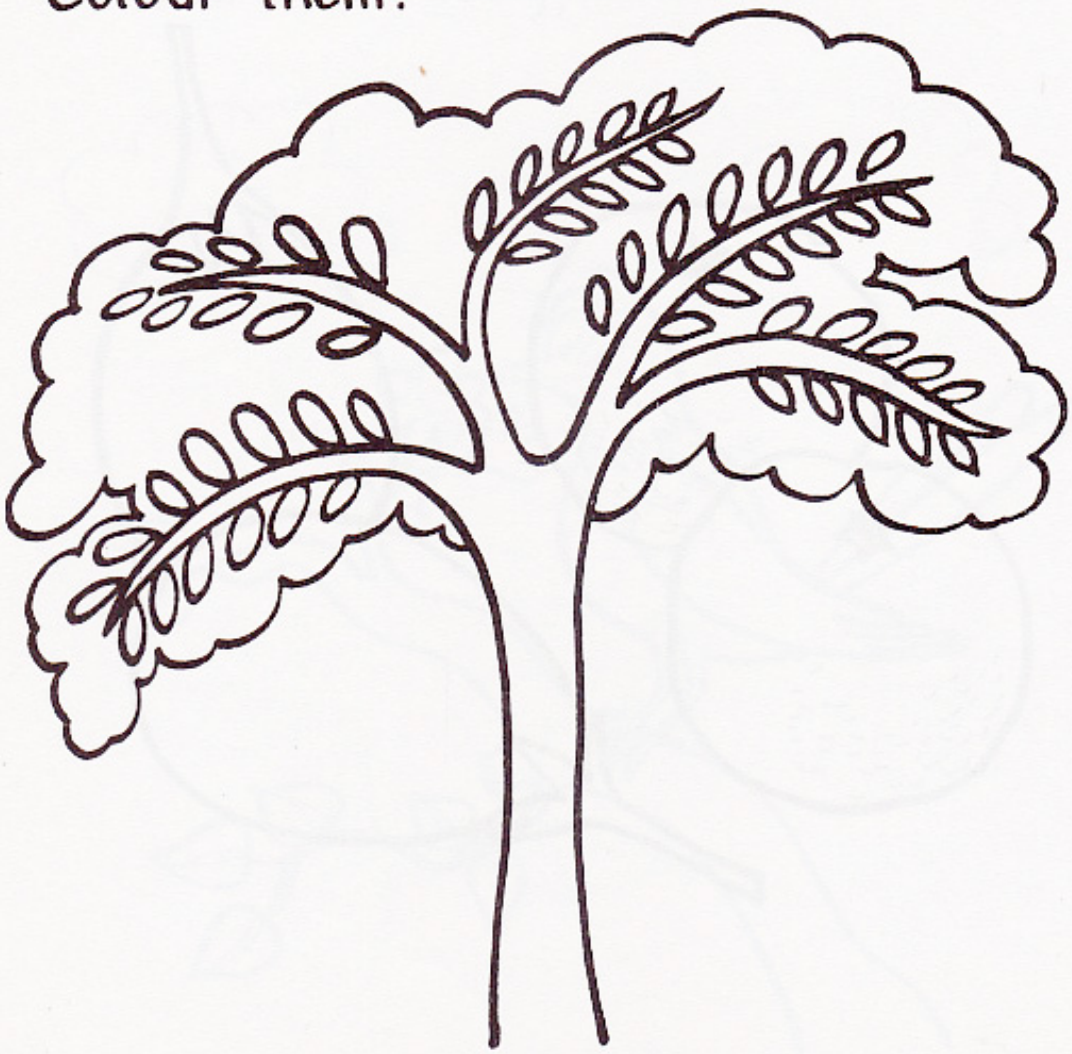
Oranges are ORANGE.
Brinjals are PURPLE.
Colour them.

GREEN BROWN

The leaves are GREEN.

The trunk is BROWN.

Colour them.



Draw a picture using the Colours RED YELLOW and BLUE.

SIZE

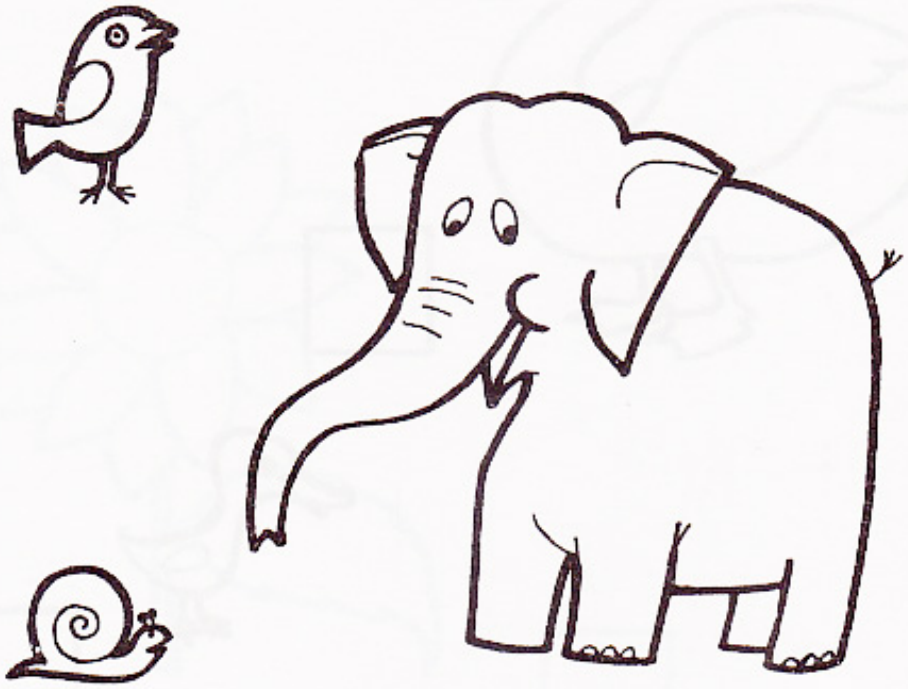
BIGGER	SMALLER
TALLER	SHORTER
LONGER	SHORTER
FATTER	THINNER
THICKER	THINNER
WIDER	NARROWER
DEEPER	SHALLOWER

BIGGER SMALLER

The elephant is BIGGER.

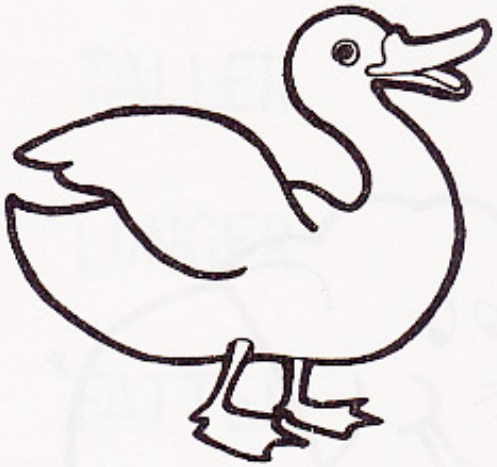
The bird and snail are SMALLER.

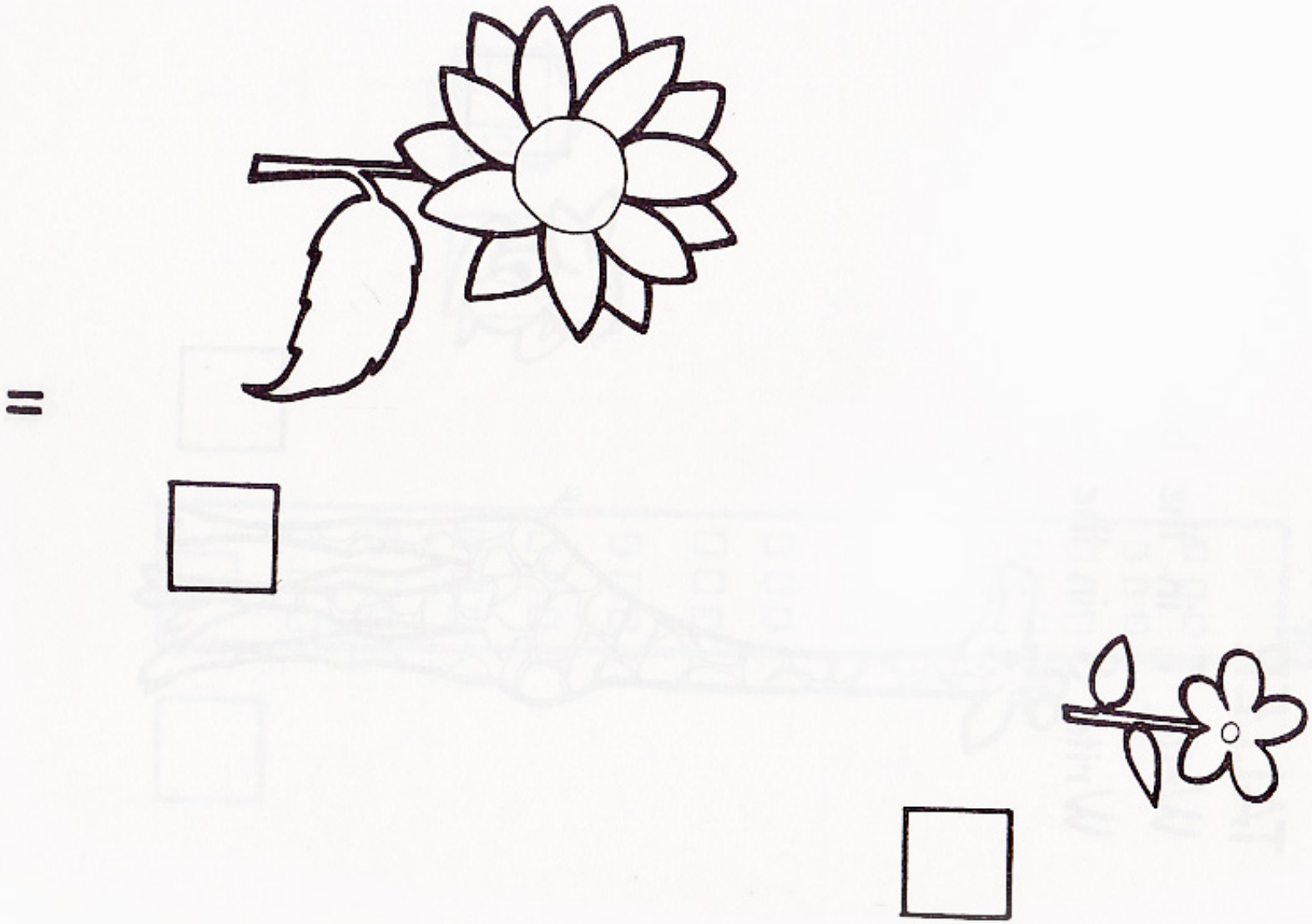
Colour them.



BIGGER SMALLER

Write B in the box for BIGGER.
Write S in the box for SMALLER.

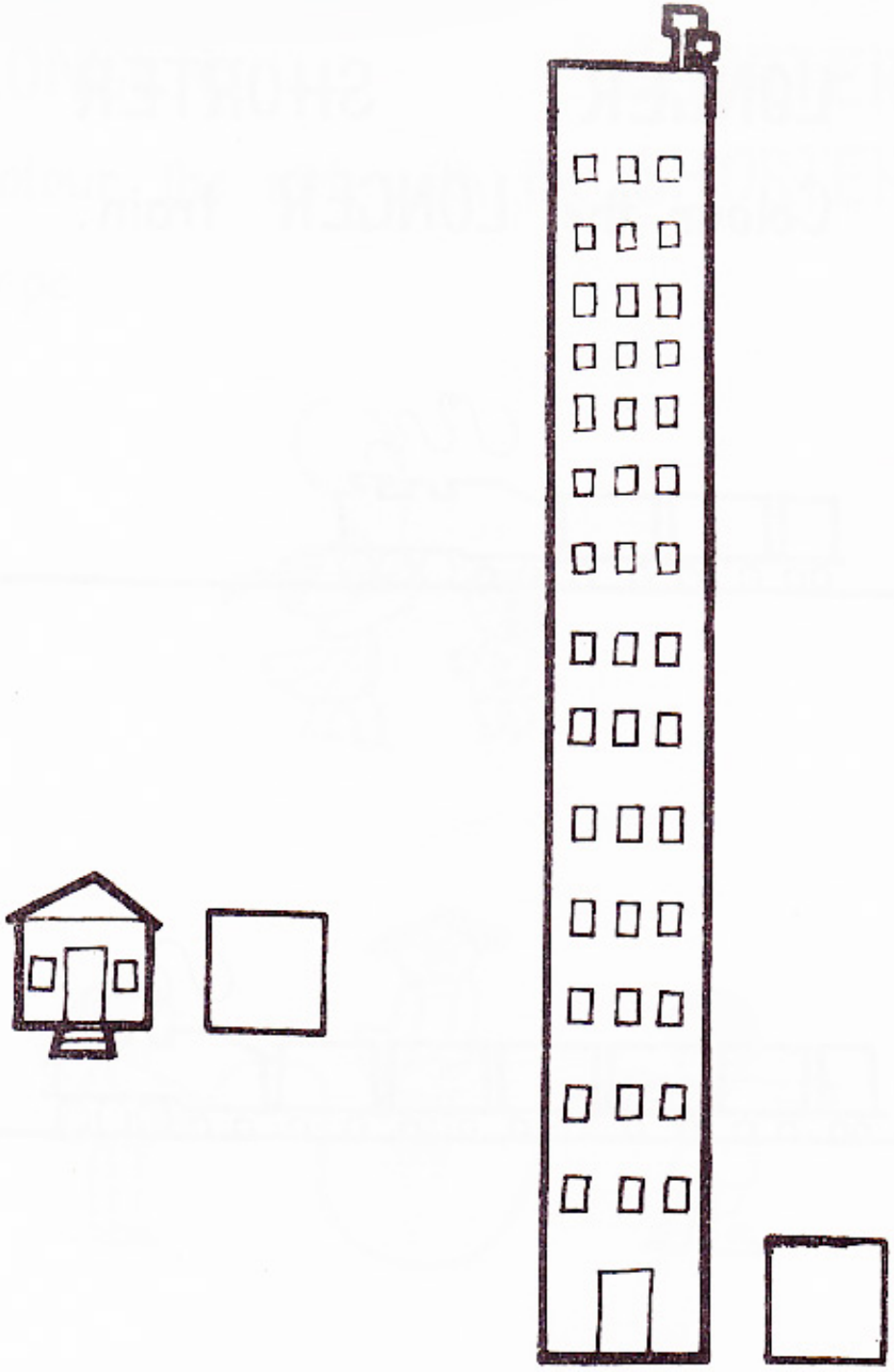




TALLER SHORTER

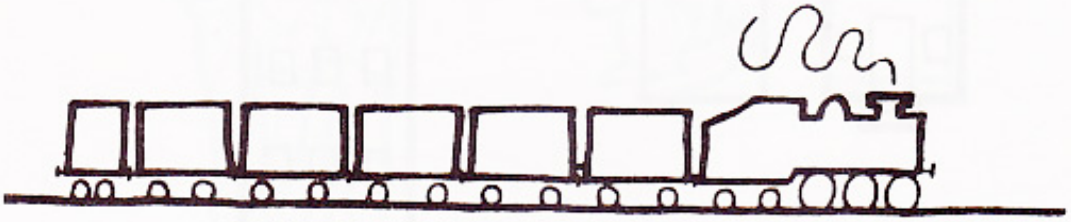
Write T in the box for TALLER.

Write S in the box for SHORTER.



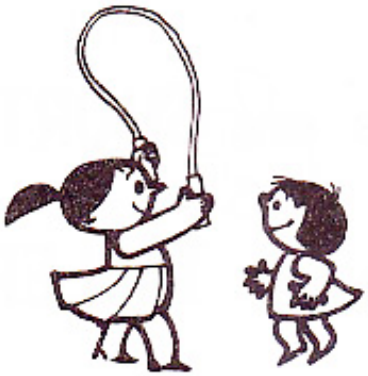
LONGER SHORTER

Colour the LONGER train.



LONGER SHORTER

Colour the girl with the SHORTER rope.



Some dogs are BIGGER.

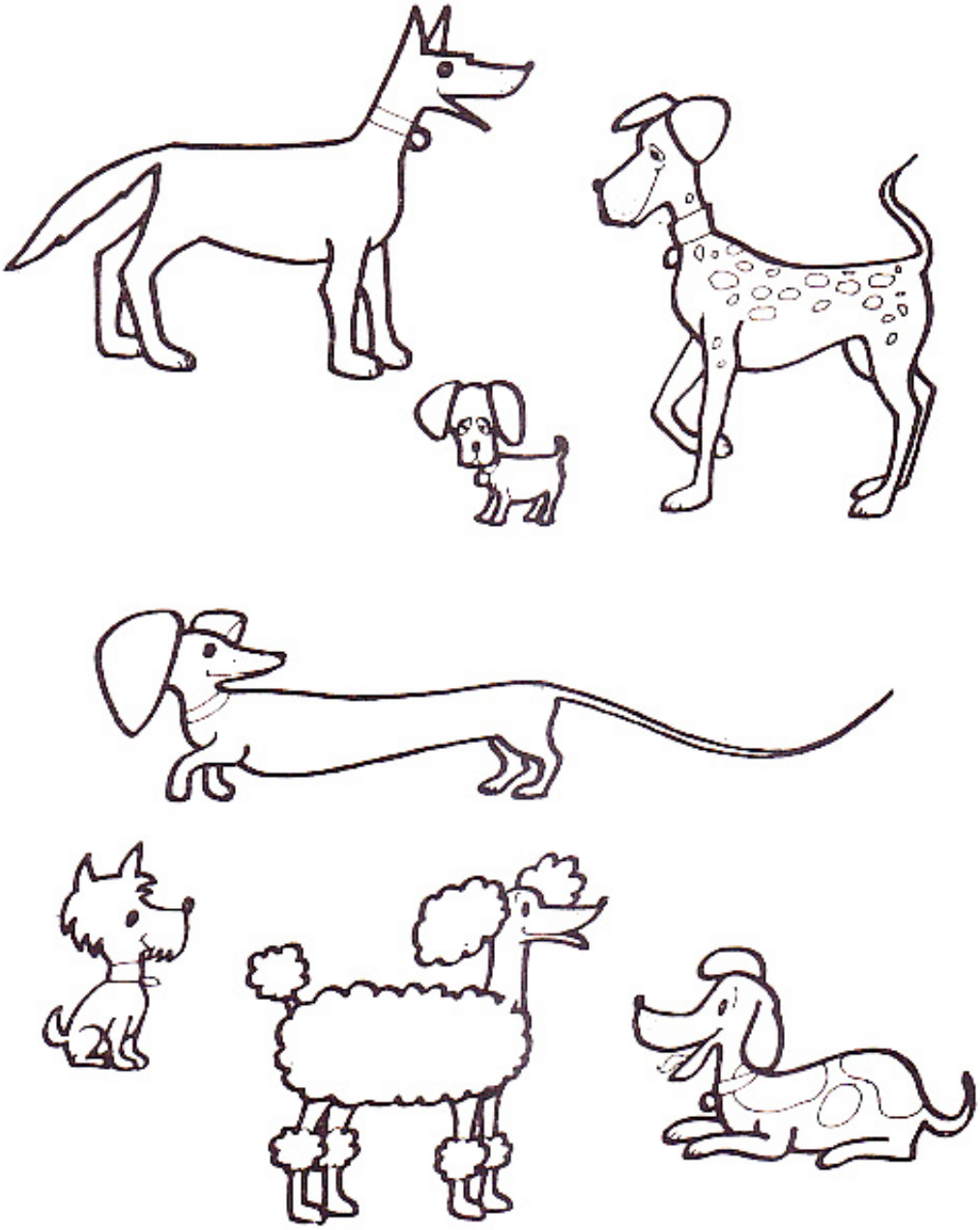
Some dogs are SMALLER.

Some dogs are SHORTER.

Some dogs are TALLER.

And some dogs are LONGER.

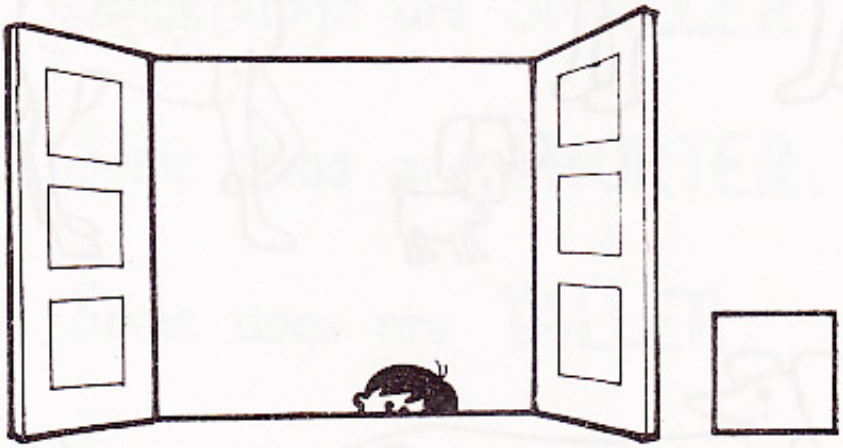
Colour the dog you like best.

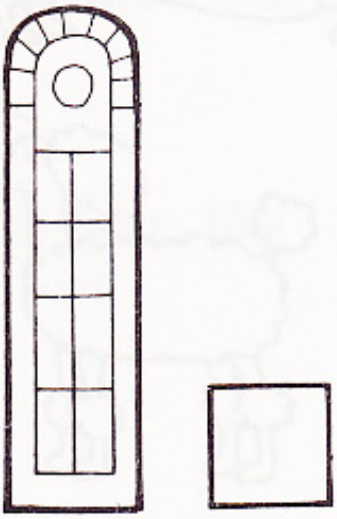


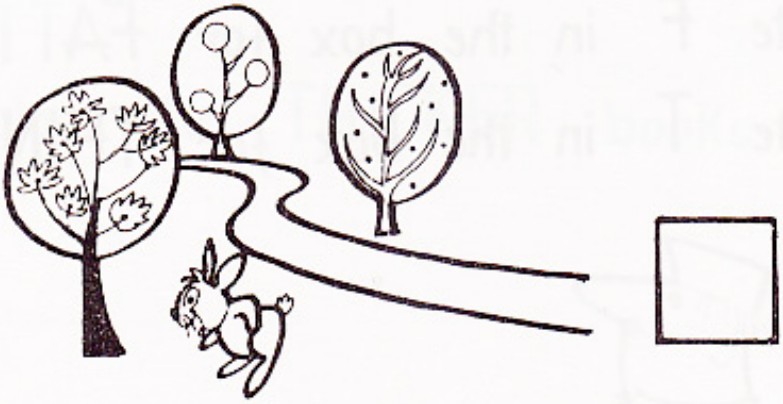
WIDER NARROWER

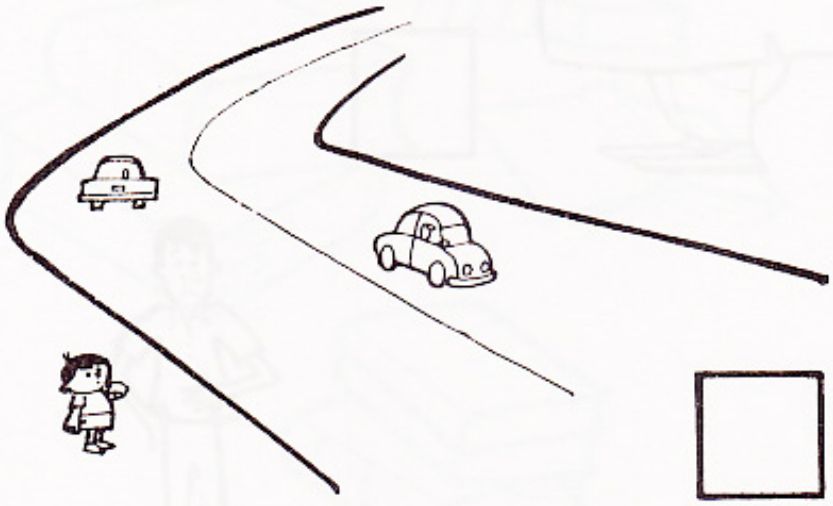
Write W in the box for WIDER.

Write N in the box for NARROWER.







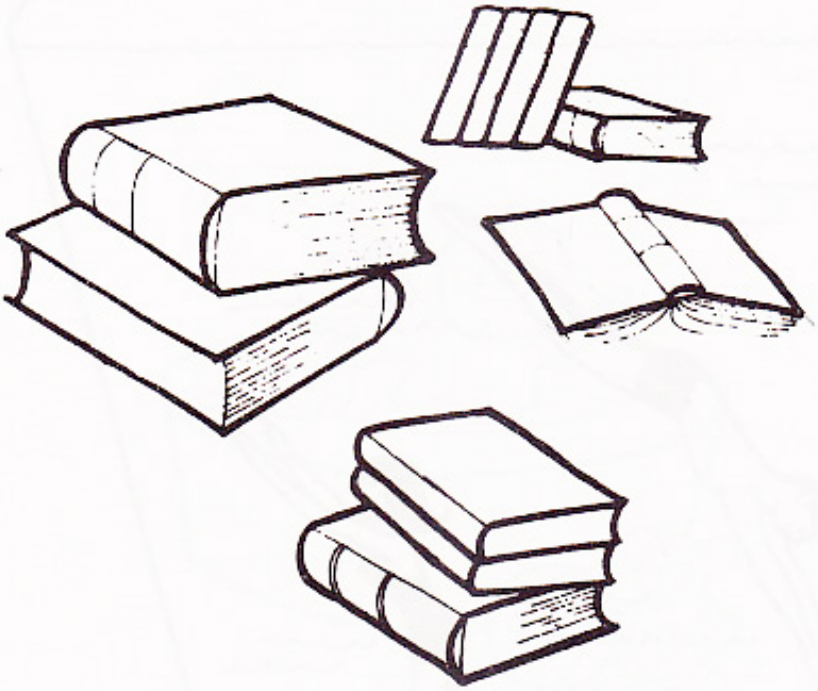


FATTER THINNER

Write F in the box for FATTER.
Write T in the box for THINNER.

THICKER THINNER

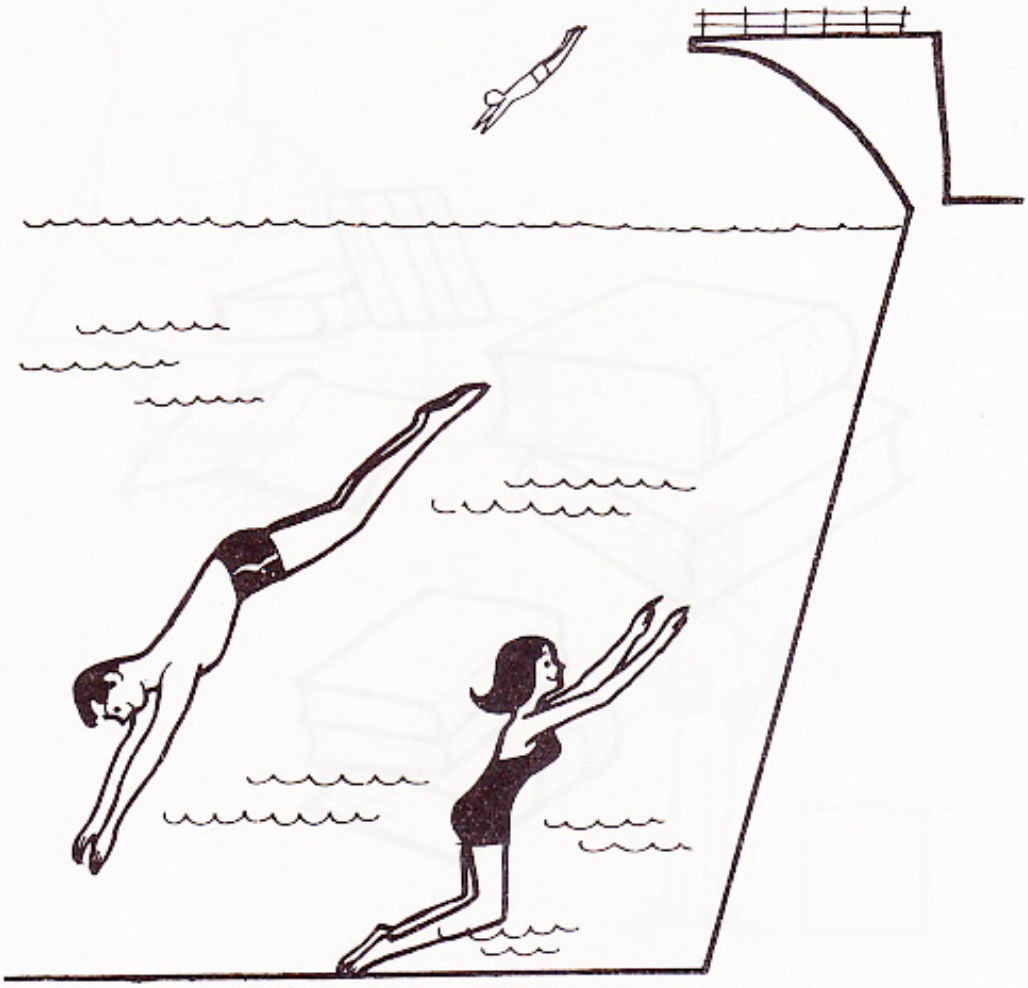
Colour the THICKER books.



DEEPER SHALLOWER

The swimming pool is DEEPER.

Colour the picture.



DEEPER SHALLOWER

Baby's bathtub is SHALLOWER.

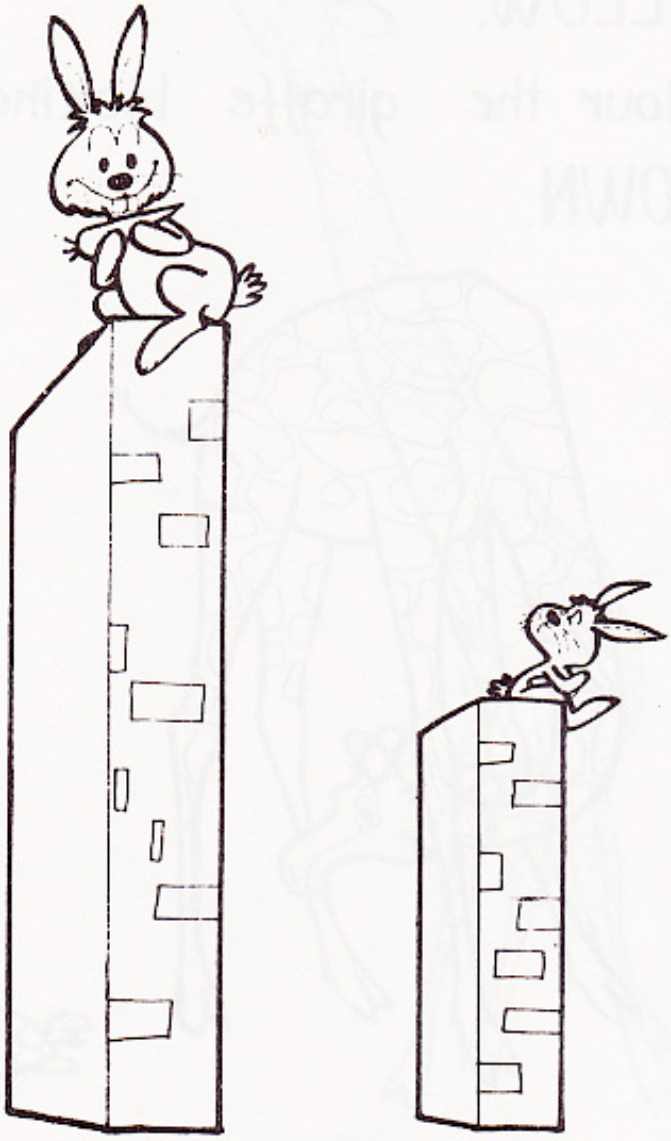
Draw Mummy giving baby a bath.

SPACE

HIGHER	LOWER
UP	DOWN
OVER	UNDER
ABOVE	BELOW
NEARER	FARTHER
IN	OUT
AROUND	THROUGH
IN FRONT	BEHIND
BEFORE	AFTER

HIGHER LOWER

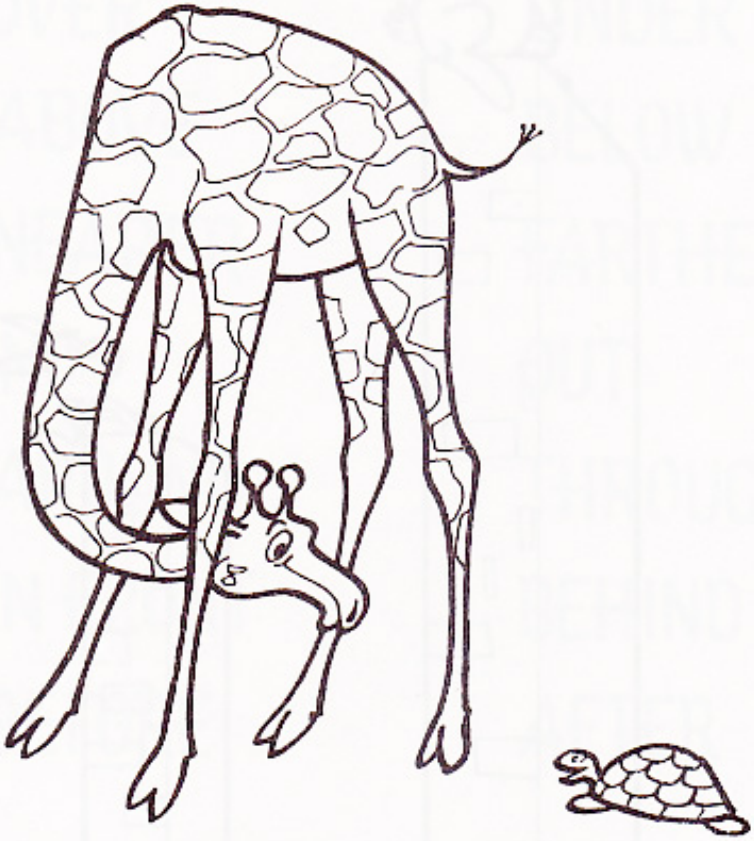
Colour the bunny on the HIGHER wall.



UP DOWN

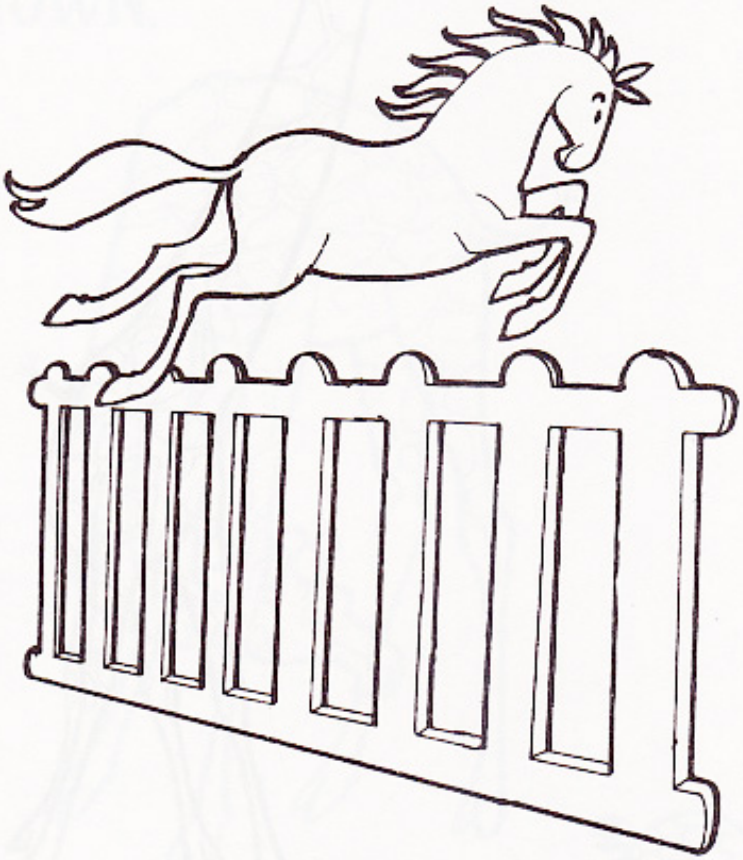
Colour the giraffe looking UP YELLOW.

Colour the giraffe looking DOWN. BROWN.



OVER UNDER

The horse is jumping OVER the fence. Colour the horse.



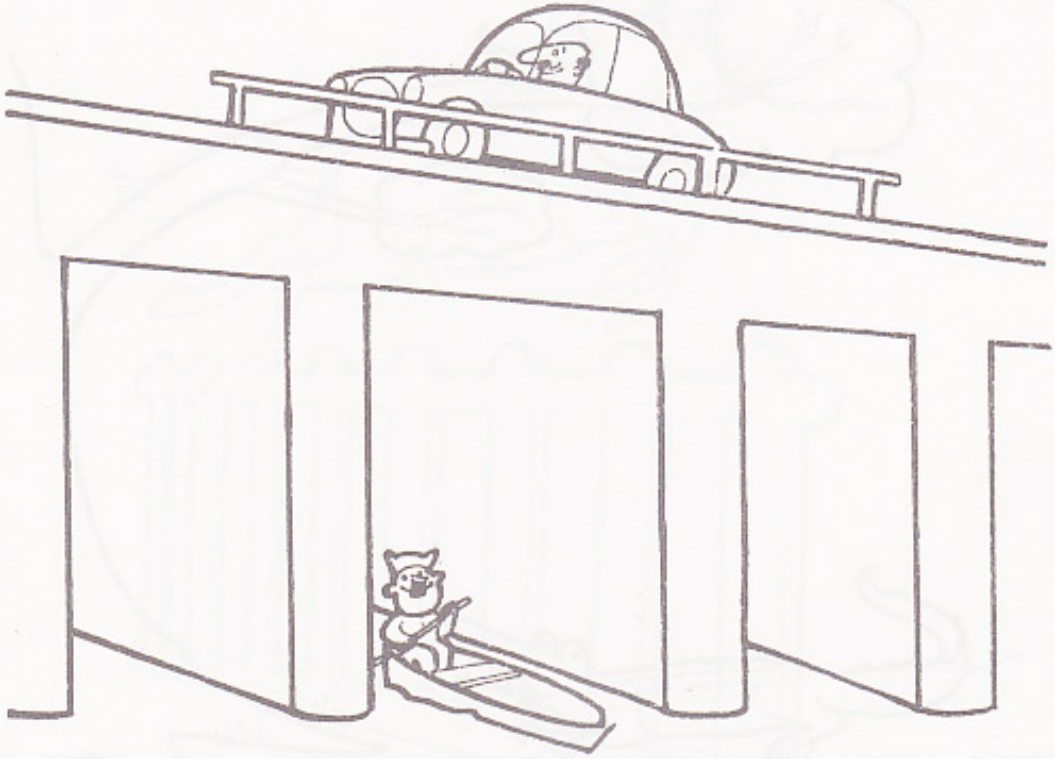
OVER UNDER

The crocodile is UNDER the tree.

Colour the crocodile.

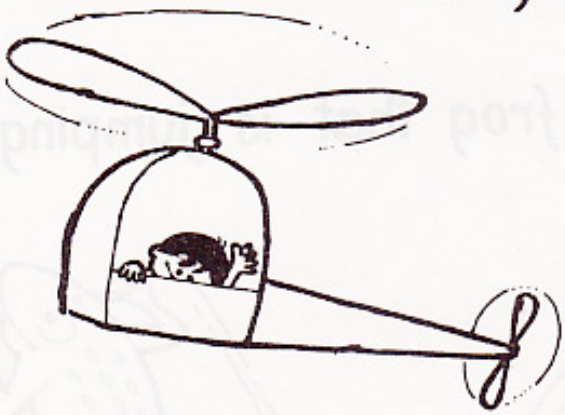
ABOVE BELOW

The car is ABOVE the water.
The boat is BELOW the bridge.
Colour the bridge, ORANGE.



ABOVE BELOW

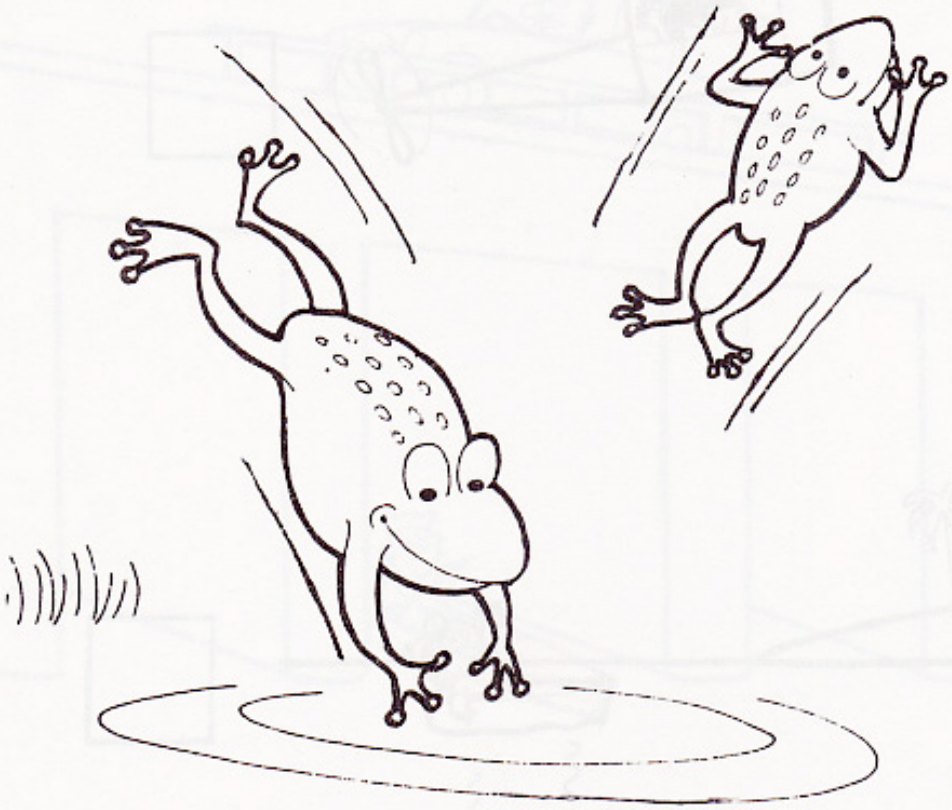
Write A in the box for ABOVE.
Write B in the box for BELOW.



IN OUT

Colour the frog that is jumping IN, GREEN.

Colour the frog that is jumping OUT, BROWN.



IN OUT

Draw a parrot IN a cage.

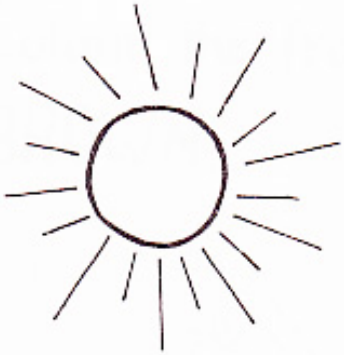
Draw a kitten OUT of a basket.

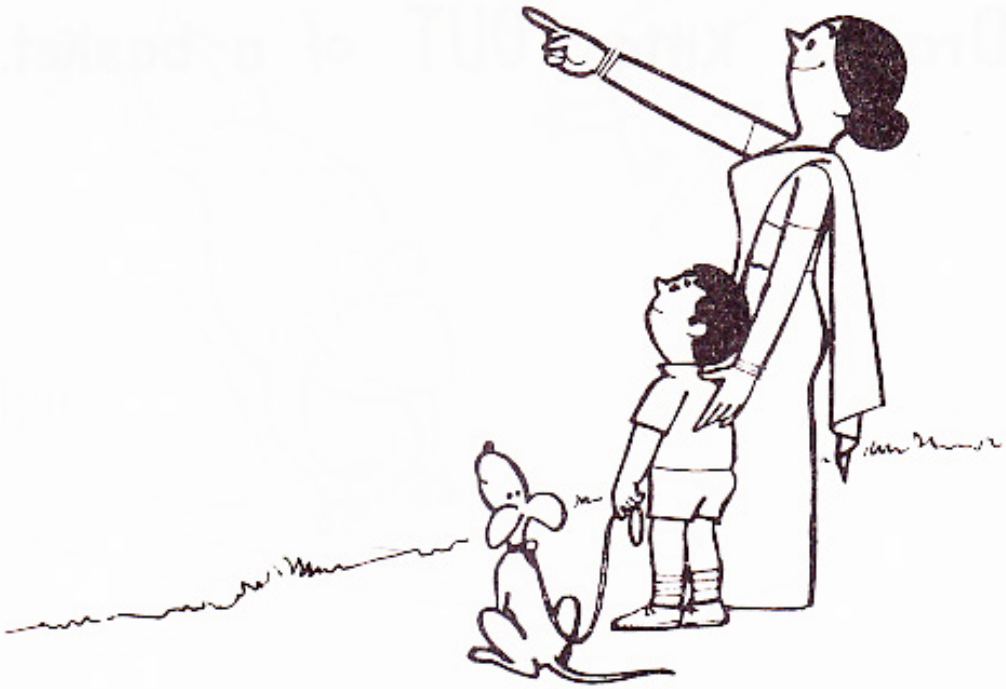
NEARER FARTHER

Some things are NEARER.

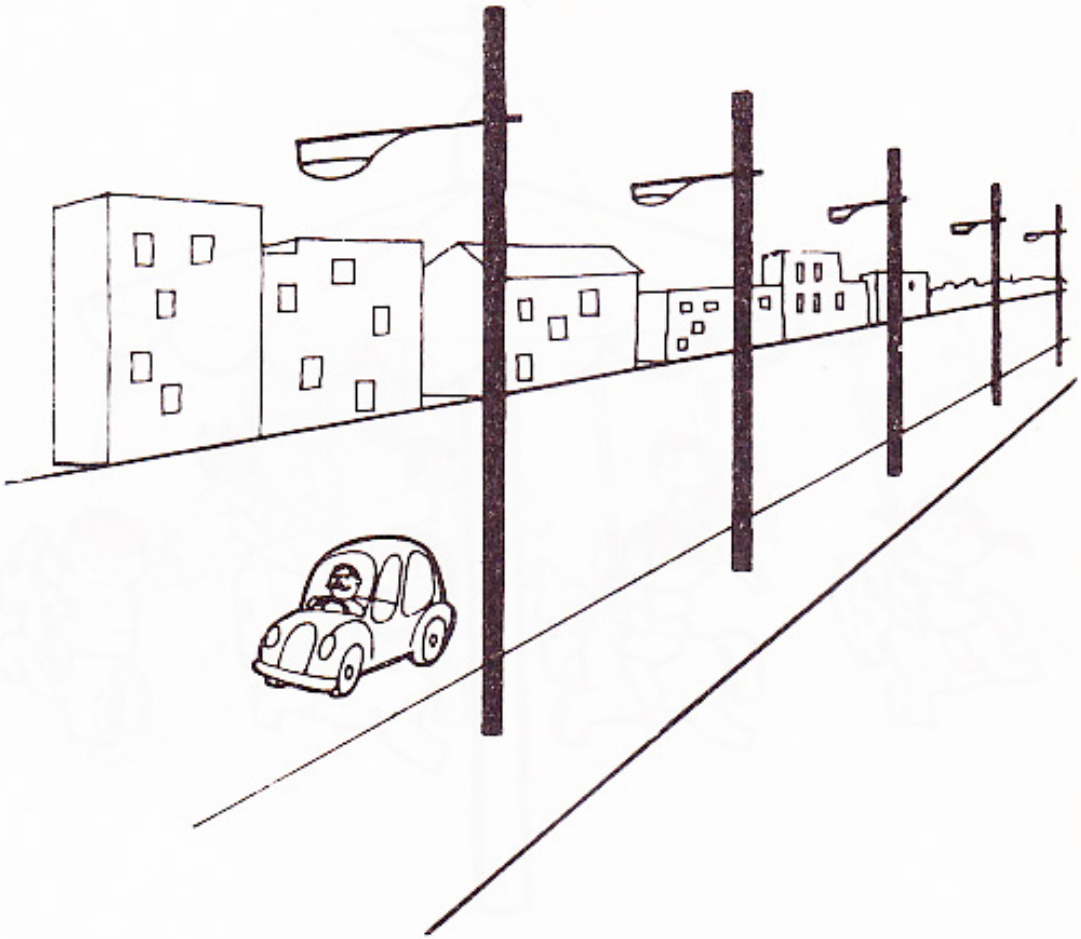
Some things are FARTHER away.

Colour the picture.



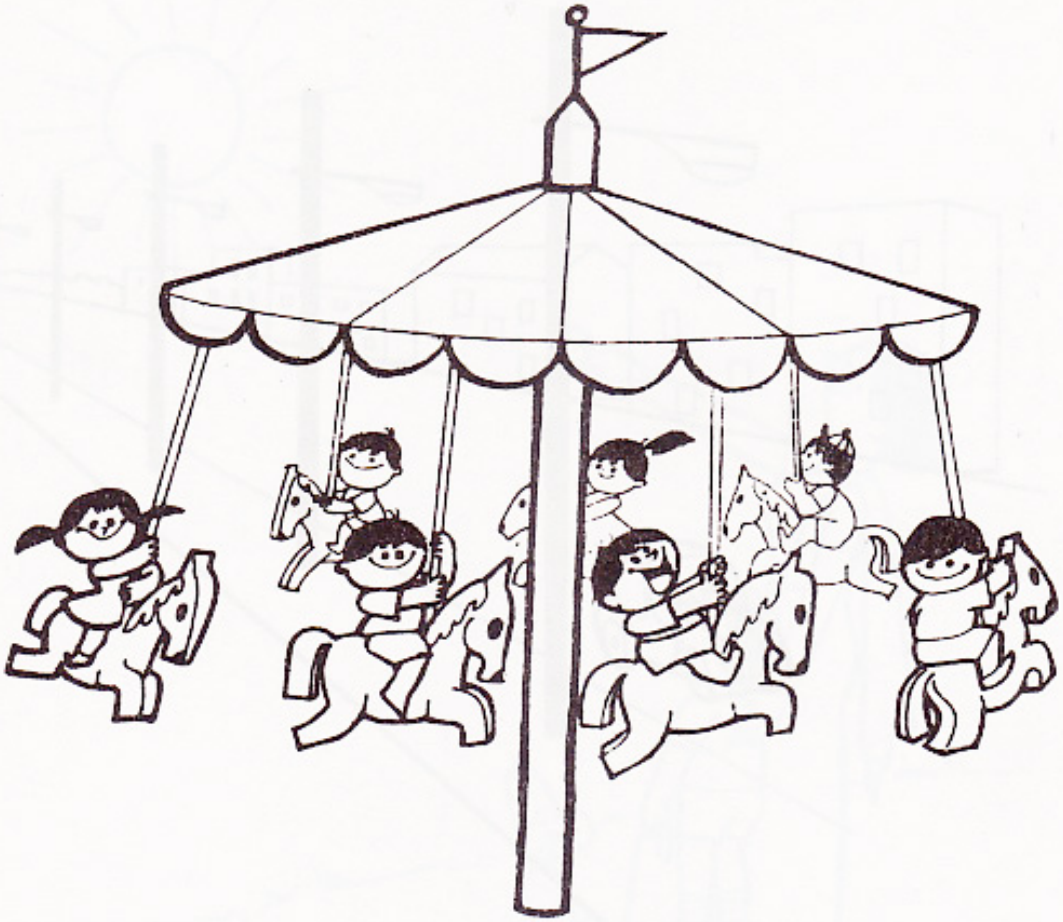


Colour the building which is NEARER, YELLOW



AROUND THROUGH

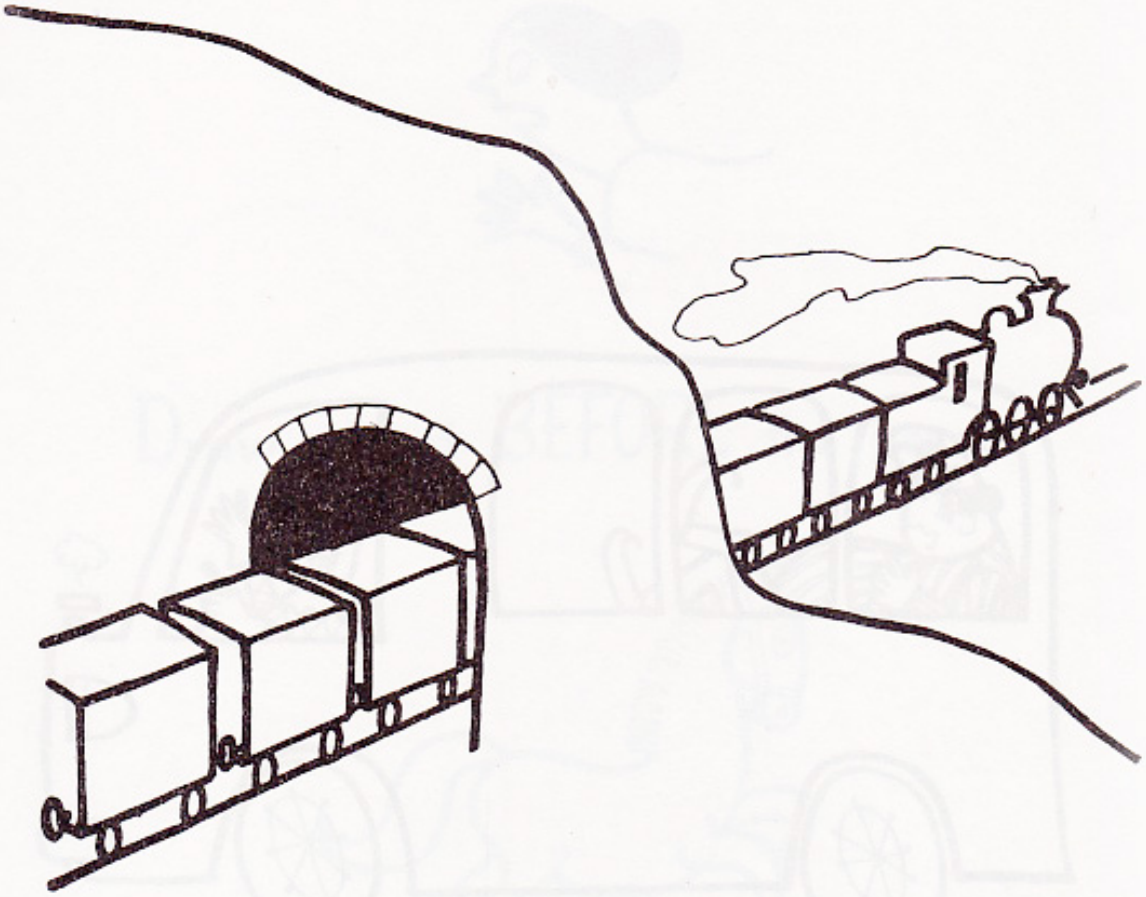
The children go AROUND the merry-go-round. Colour the picture.



AROUND THROUGH

The train goes THROUGH the tunnel.

Colour the train.



IN FRONT BEHIND

Colour the clown IN FRONT, PURPLE.

Colour the clown BEHIND, RED.

BEFORE AFTER

Draw a mouse AFTER the lady.

Draw a cat BEFORE the horse.

SHAPE

ROUND

CIRCLE

TRIANGLE

QUADRILATERAL

ROUND

A ball is ROUND Colour it RED.
Marbles are ROUND Colour them.

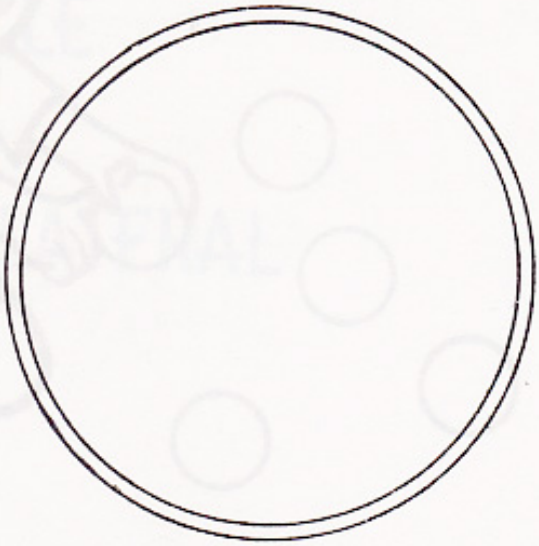
CIRCLES

These are CIRCLES. A circle is ROUND.

A ring is a CIRCLE.

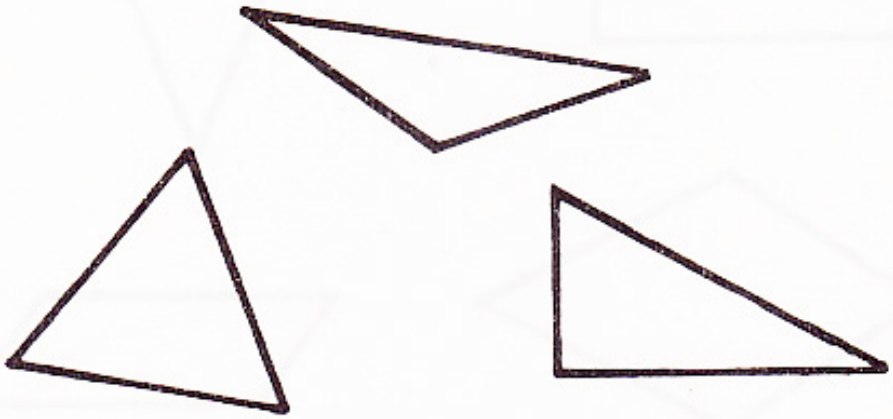
A bangle is a CIRCLE.

So is a hoop.

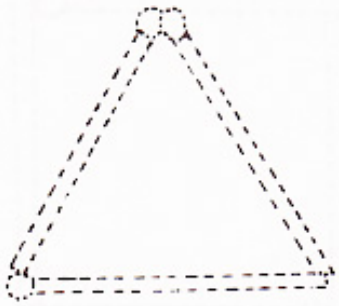


TRIANGLES

These are TRIANGLES.

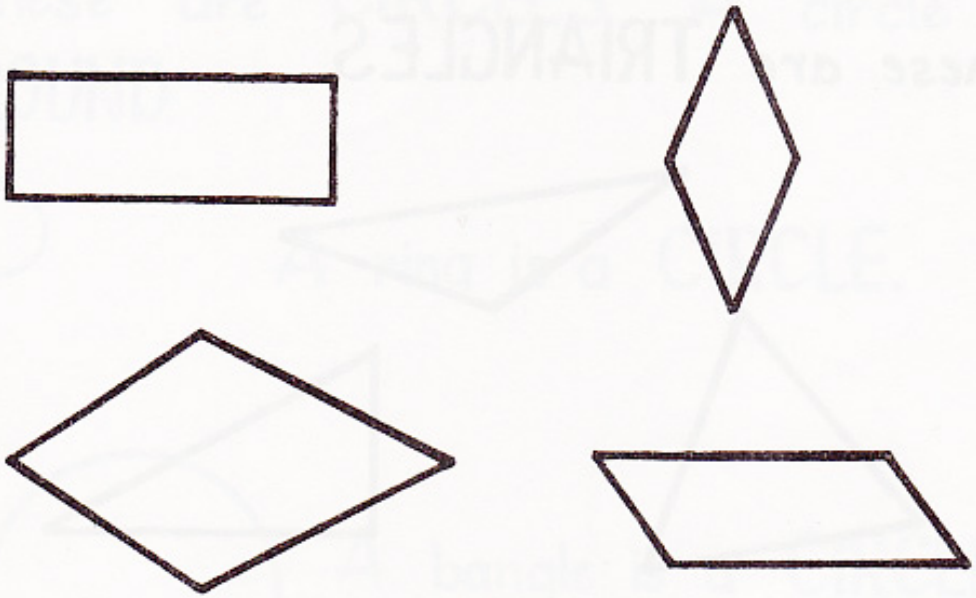


Place a used matchstick on each side and make your TRIANGLE.

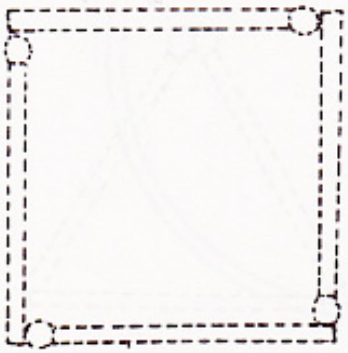


QUADRILATERALS

These are QUADRILATERALS.

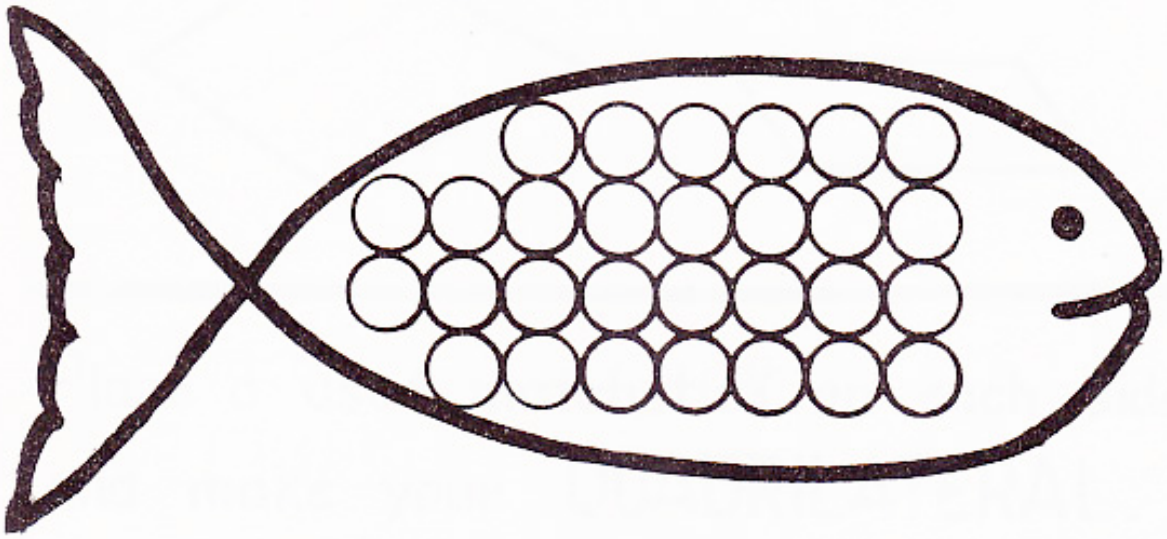


Place a used matchstick on each side and make your QUADRILATERAL.

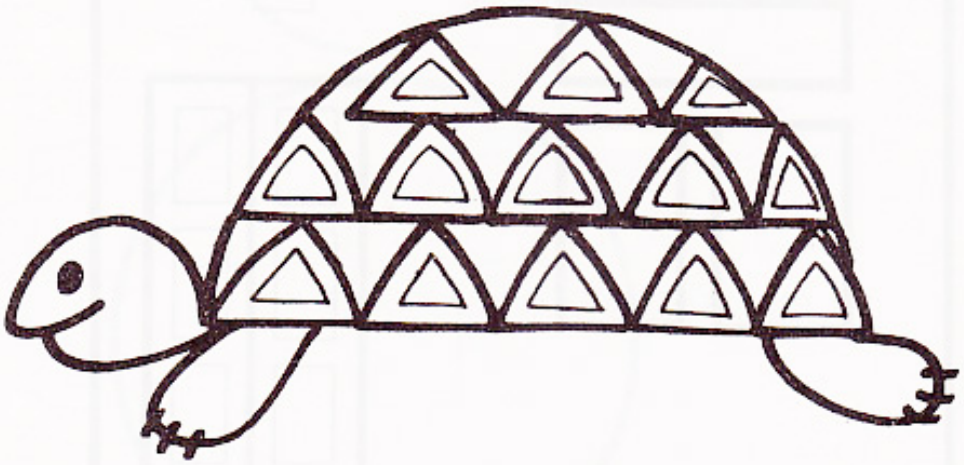


Draw a BIG CIRCLE.
IN that BIG CIRCLE
draw a TRIANGLE.

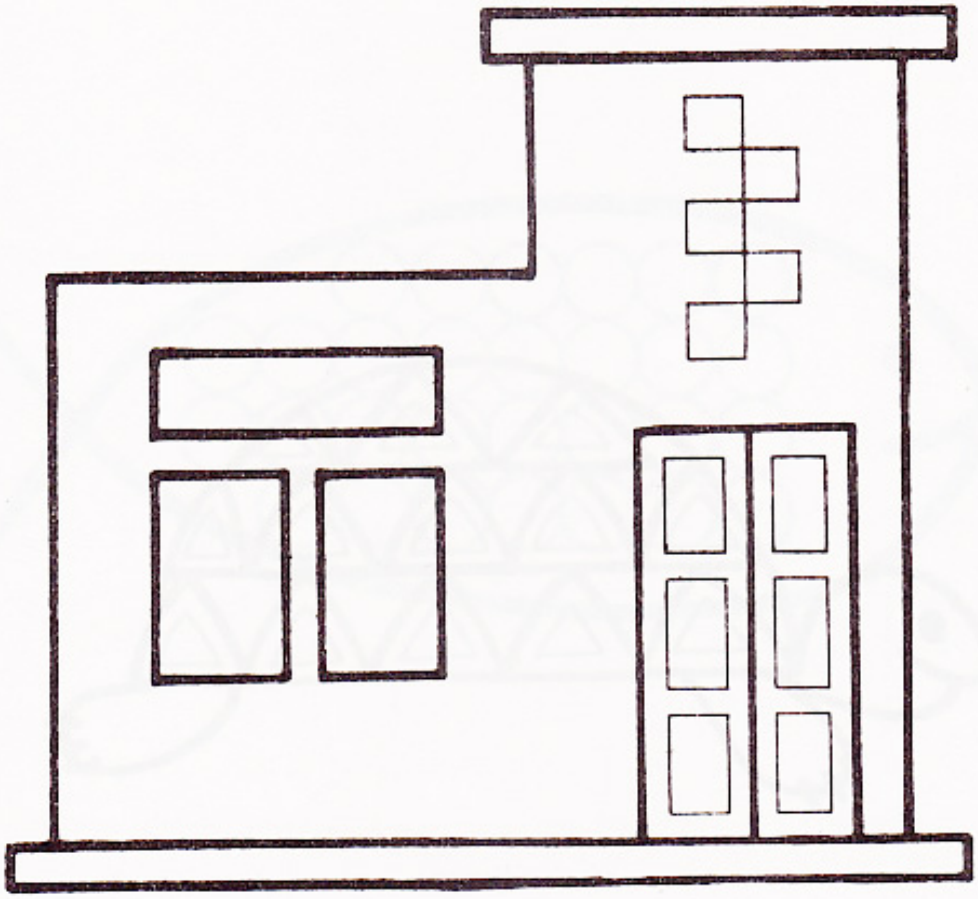
Find the CIRCLES on this fish.
Colour them YELLOW and BLUE.



Find the TRIANGLES on this tortoise.
Colour them BROWN and ORANGE.

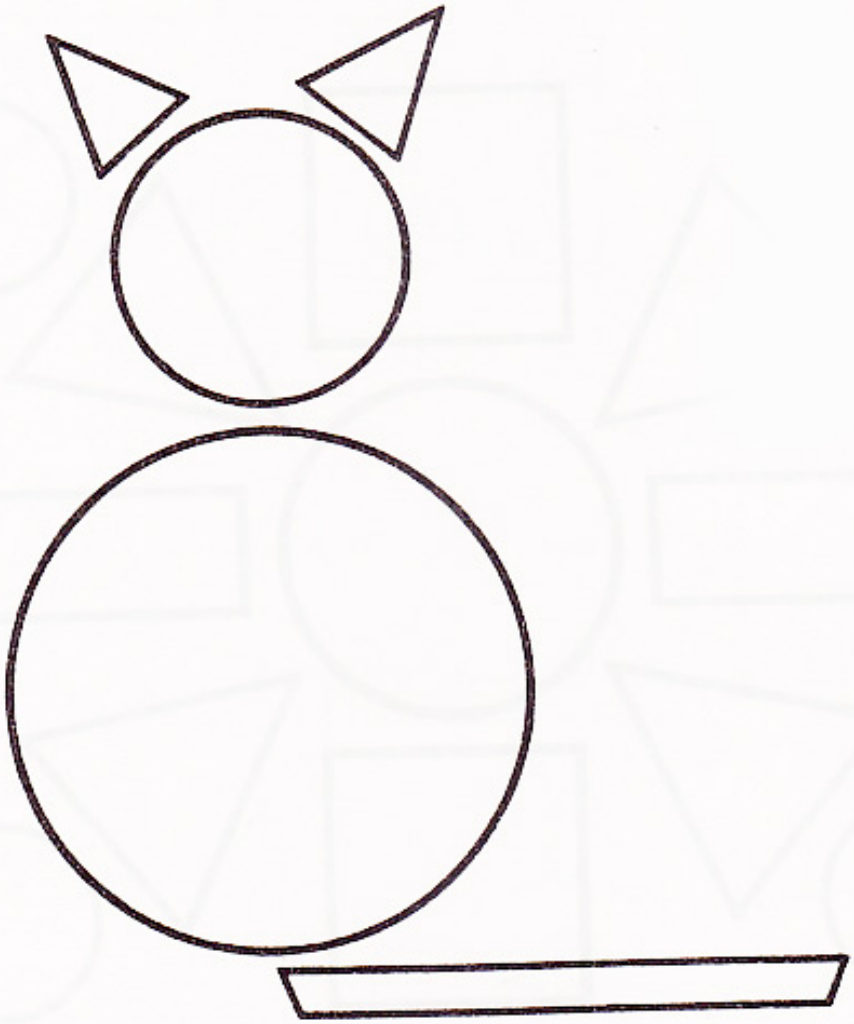


Find the QUADRILATERALS.
Colour them GREEN and PURPLE.

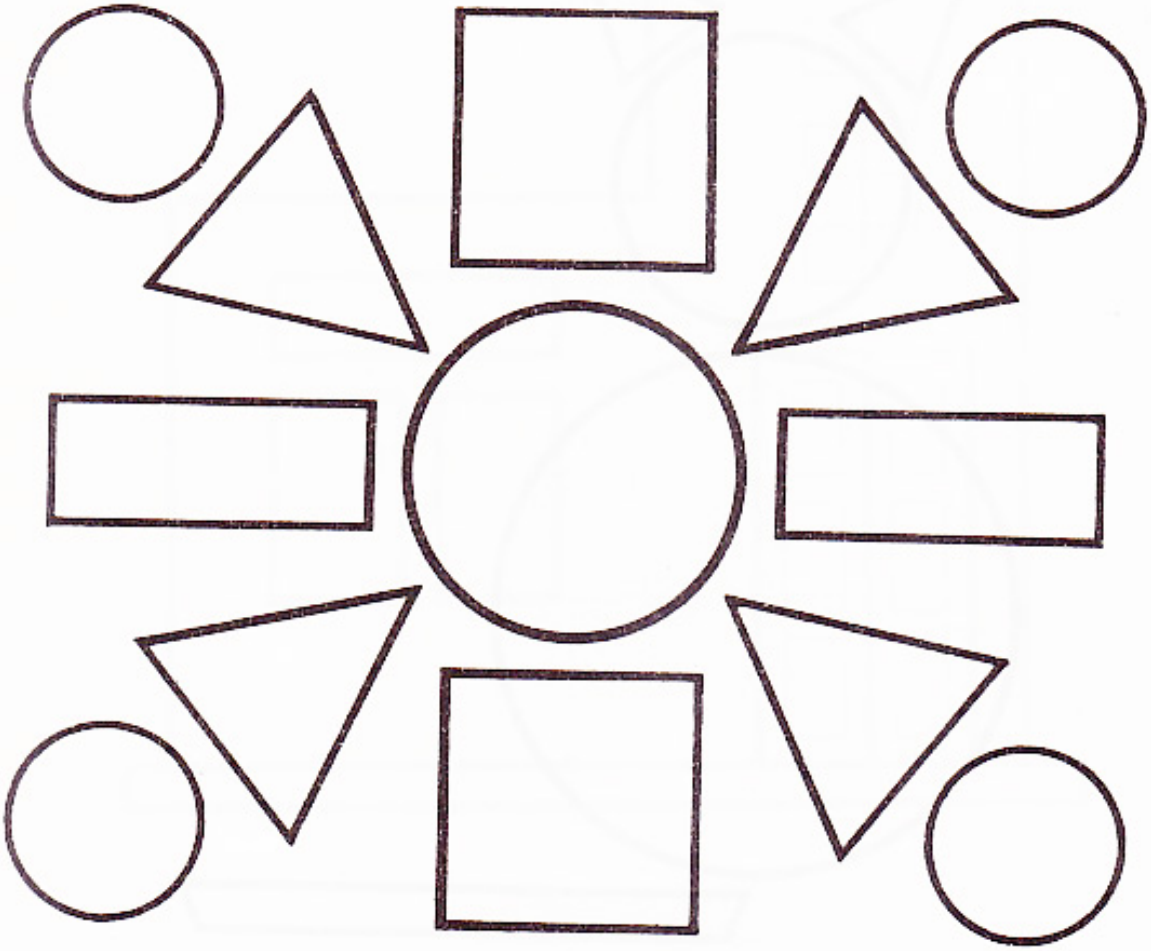


Draw the cat's face in the SMALLER CIRCLE.

Colour the BIGGER CIRCLE.



Colour the CIRCLES, RED.
Colour the TRIANGLES, BROWN.
Colour the QUADRILATERALS, BLUE.



Draw pictures by using the
SHAPES you have learnt.

WEIGHT

HEAVIER

LIGHTER

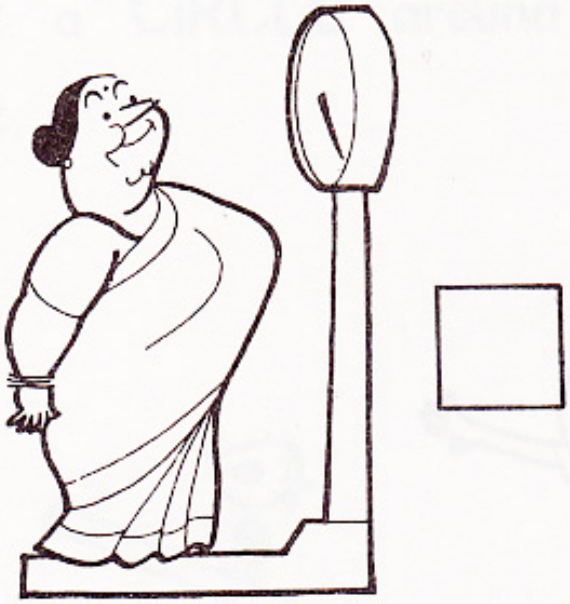
AS HEAVY

AS LIGHT

HEAVIER LIGHTER

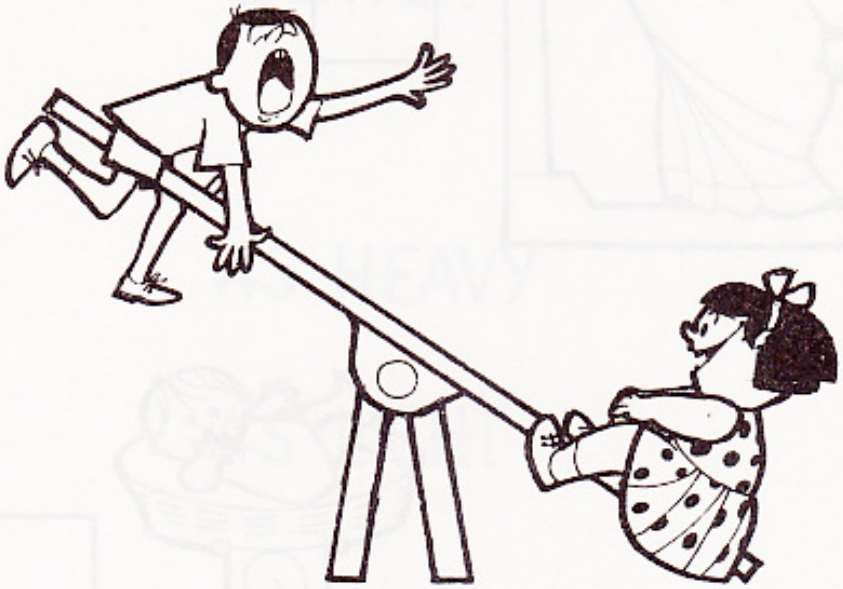
Write H in the box for HEAVIER

Write L in the box for LIGHTER



HEAVIER LIGHTER

Draw a hat on the LIGHTER child.
Colour the HEAVIER child.

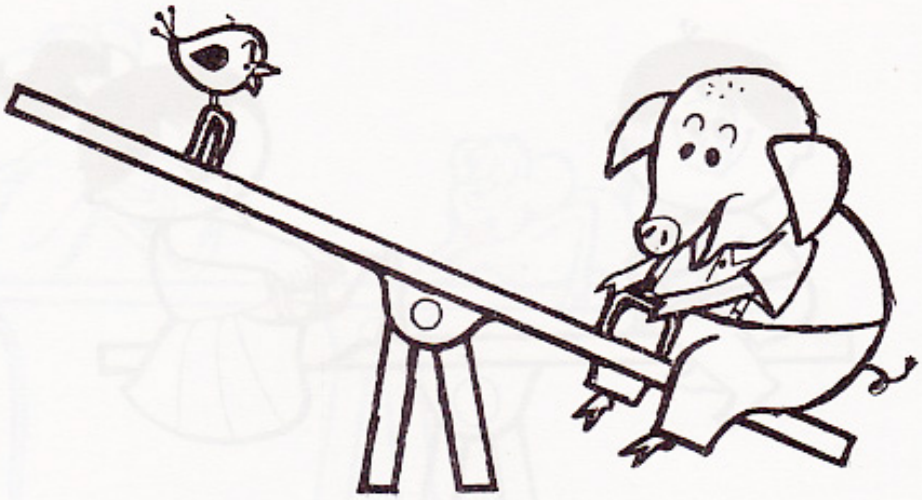


HEAVIER LIGHTER

Who is HEAVIER?

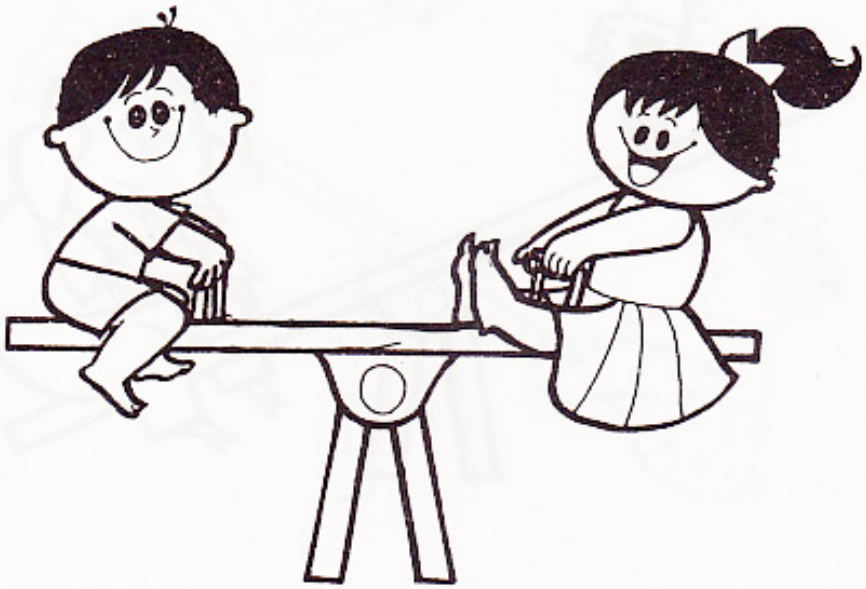
Colour him.

Put a CIRCLE around the LIGHTER one.



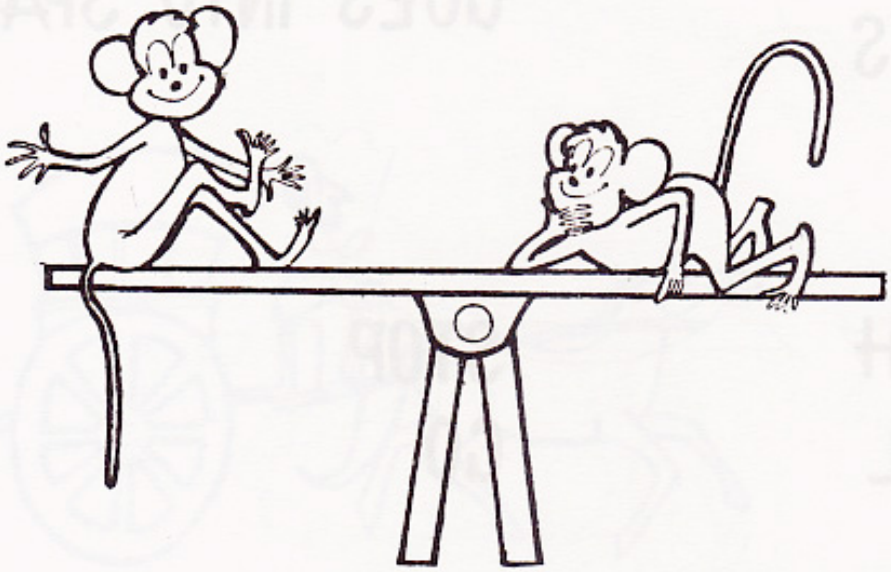
AS HEAVY

Sita is AS HEAVY as Ram.
Ram is AS HEAVY as Sita.
Colour them.



AS LIGHT

The monkey with his tail DOWN is AS LIGHT as the monkey with his tail UP. Colour the monkeys.



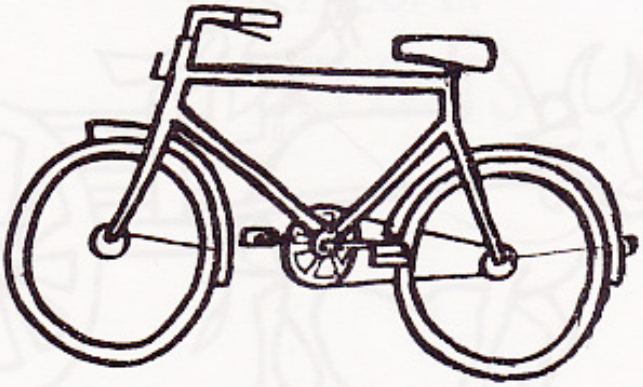
MOVEMENT

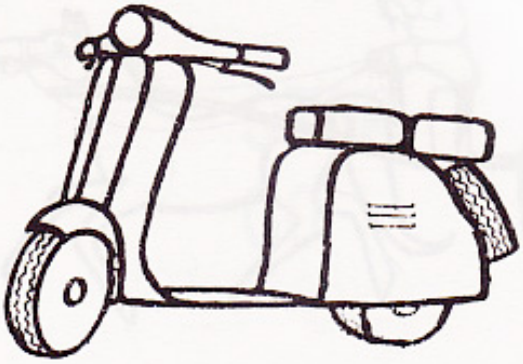
ROLL	FLOAT
ROLLS	FLOATS
FLY	GOES INTO SPACE
FLIES	
PUSH	STOP
PULL	GO

The bullock-cart and tonga ROLL.

Colour them.

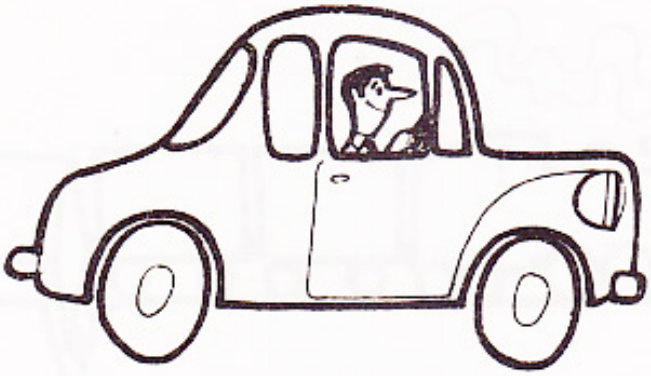
The bicycle and scooter ROLL.
Colour them.

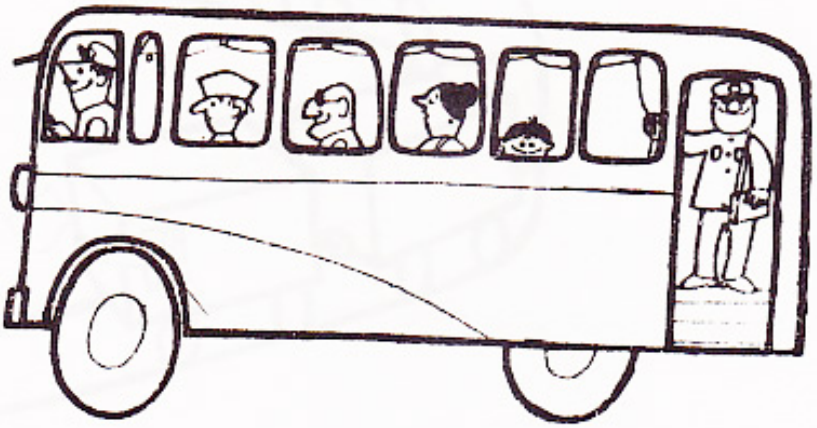




The car and bus ROLL.

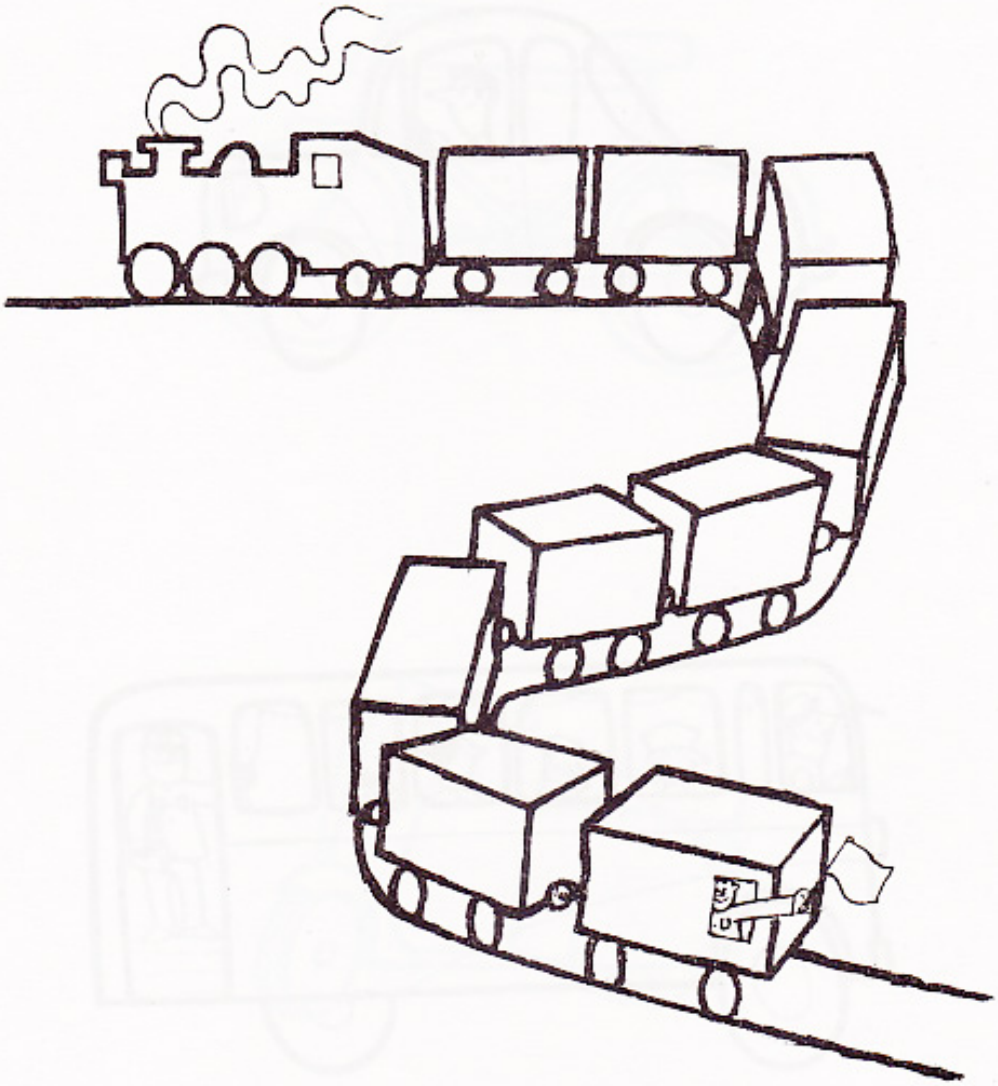
Colour them.





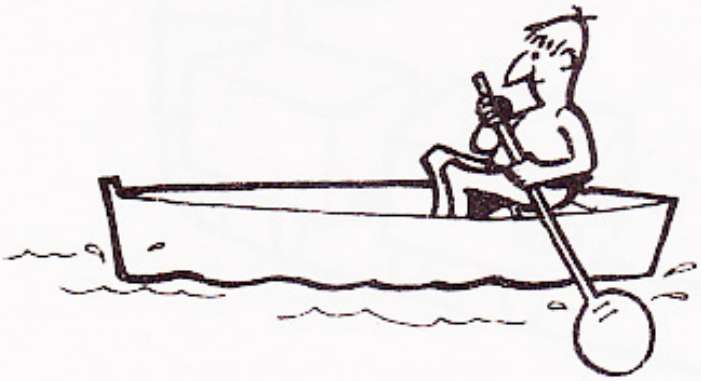
The train ROLLS too

Colour the train.



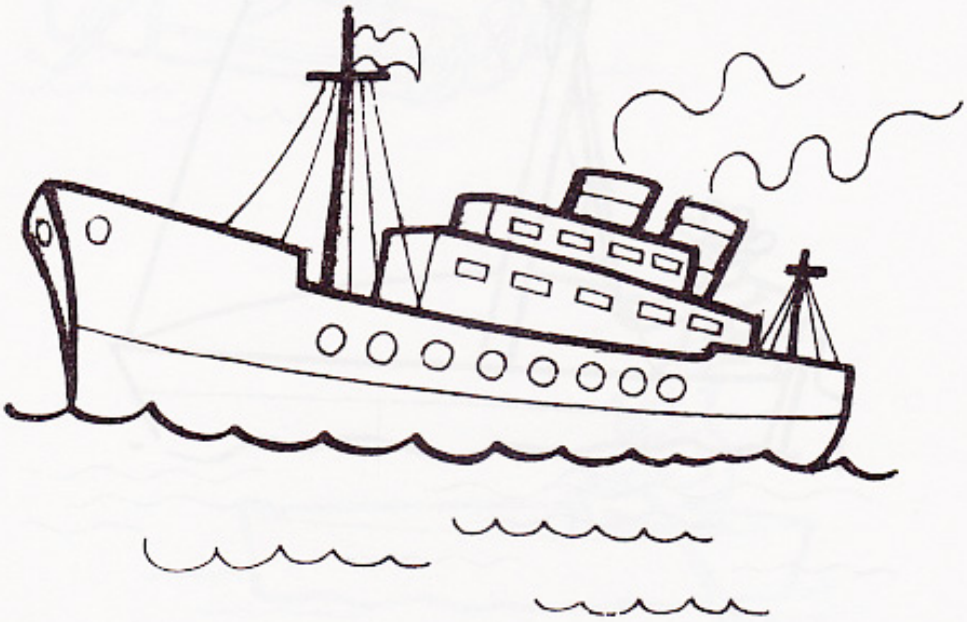
Draw one thing which ROLLS.

The raft and boat FLOAT.
Colour them.



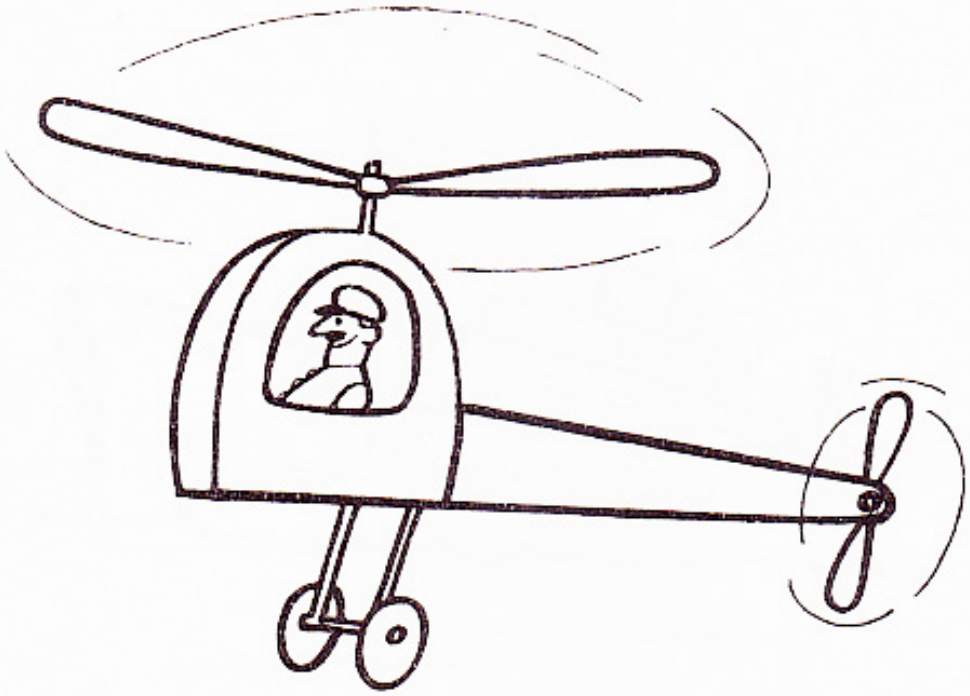
The sailboat FLOATS. Colour it.

The ship FLOATS too.
Colour the ship.



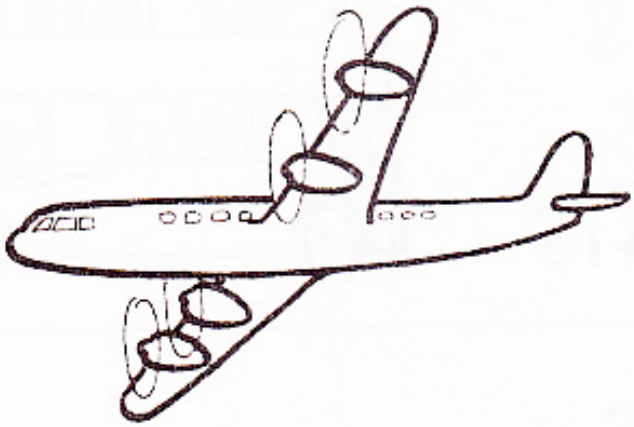
Draw one thing that FLOATS

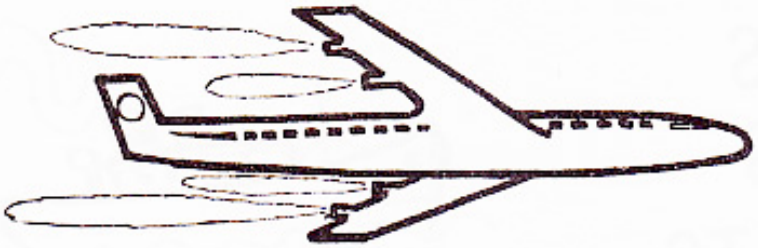
The helicopter FLIES.
Colour it.



Planes FLY too.

Colour the planes





✓ the correct word.

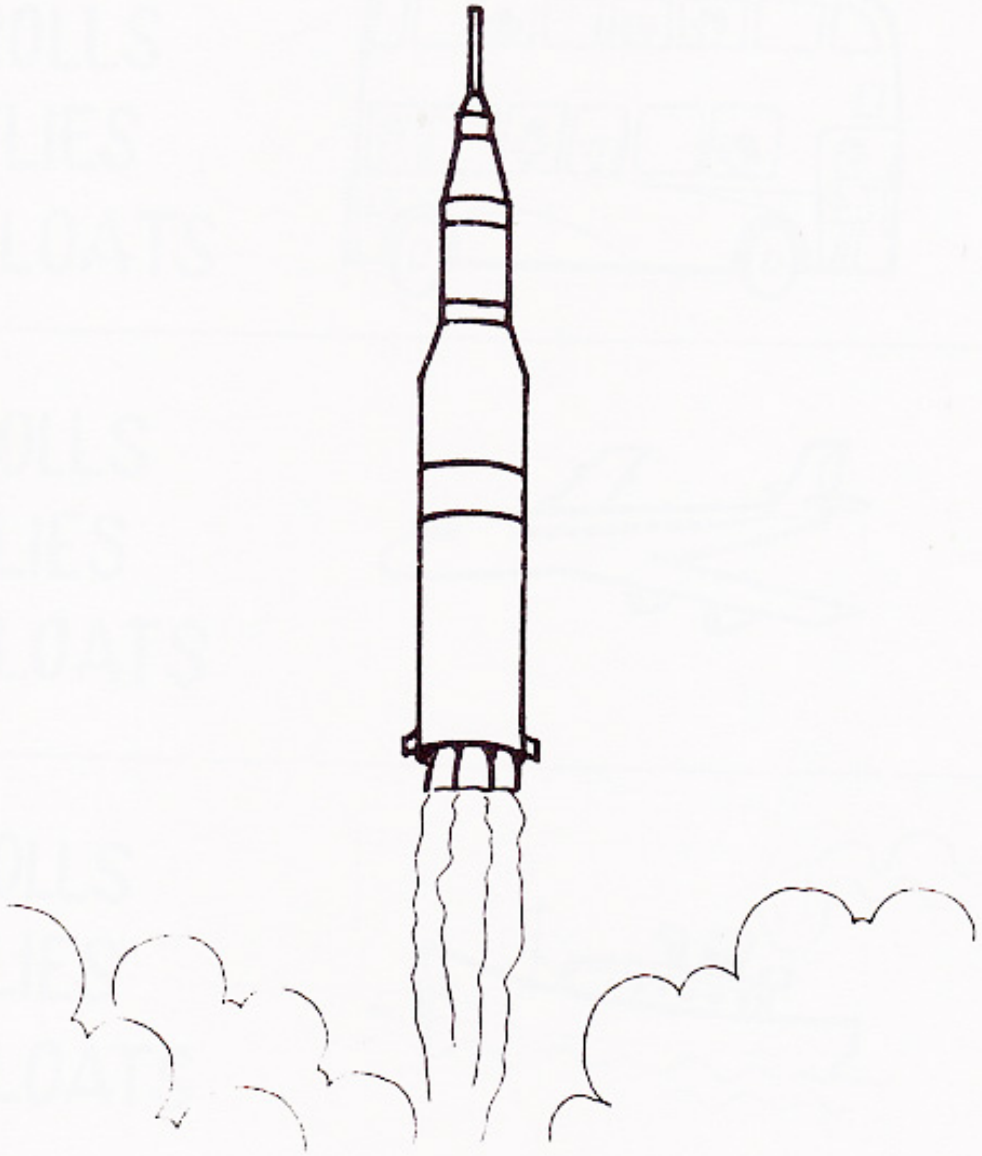
ROLLS
FLIES
FLOATS

ROLLS
FLIES
FLOATS

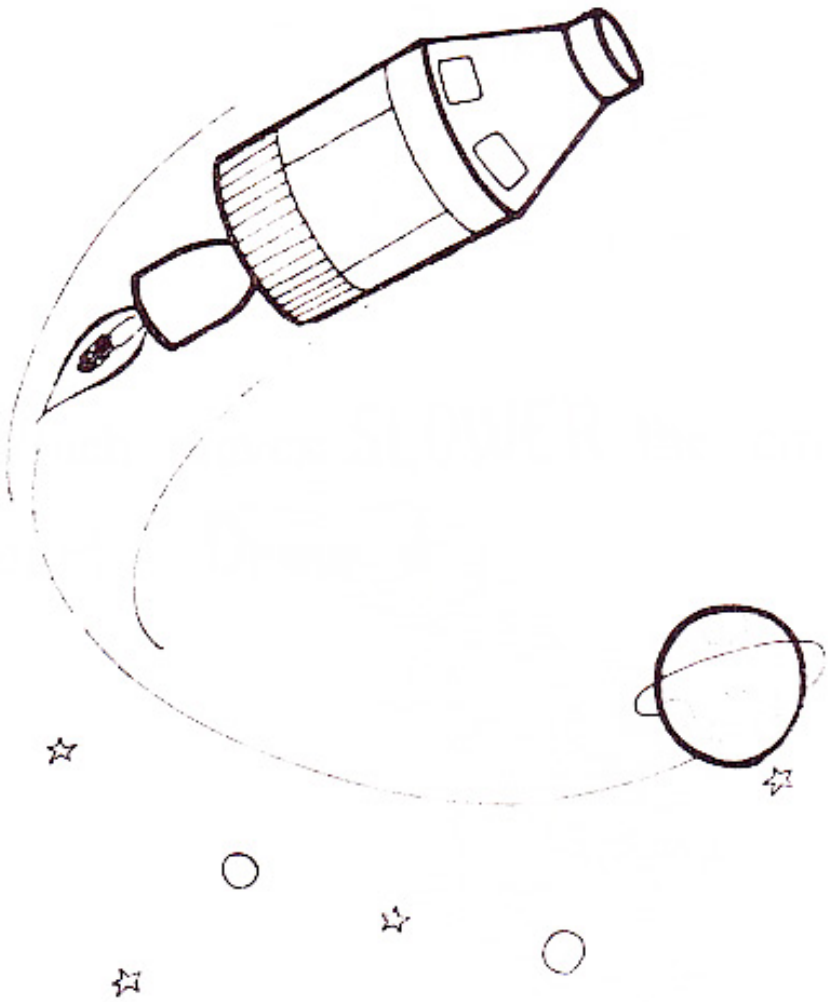
ROLLS
FLIES
FLOATS

Draw one thing that can FLY.

The rocket goes into SPACE
Colour the rocket.



This is a spaceship. It goes to the moon.
Colour it.



Draw and colour your favourite one, from the things which ROLL, FLOAT, and FLY.

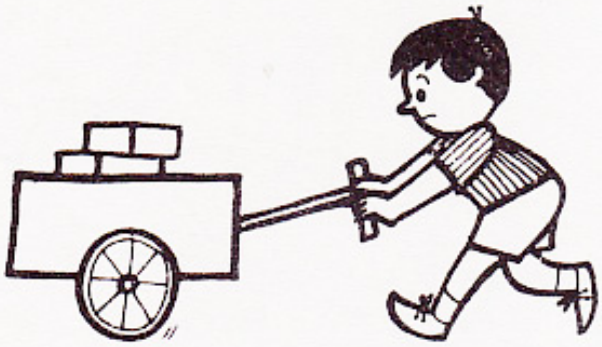
FASTER SLOWER

Which moves FASTER: the plane or ship? Draw it.

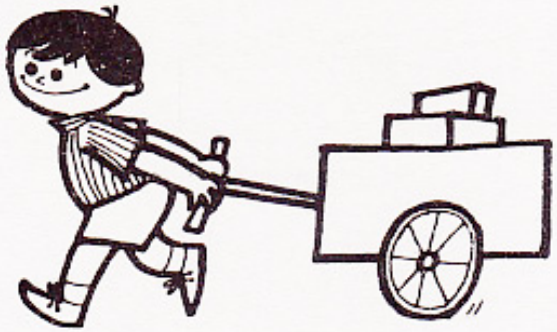
Which moves SLOWER: the car or cart? Draw it.

PUSH PULL

PUSH the wagon. Colour it.

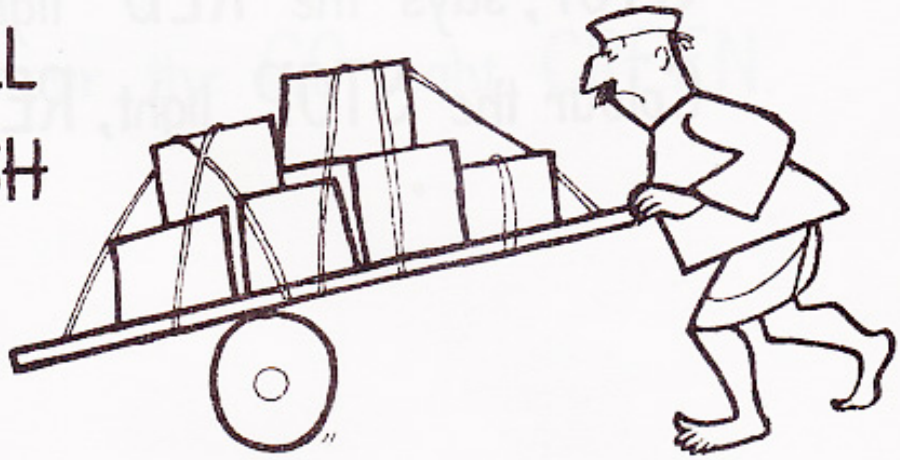


PULL the wagon. Colour it.

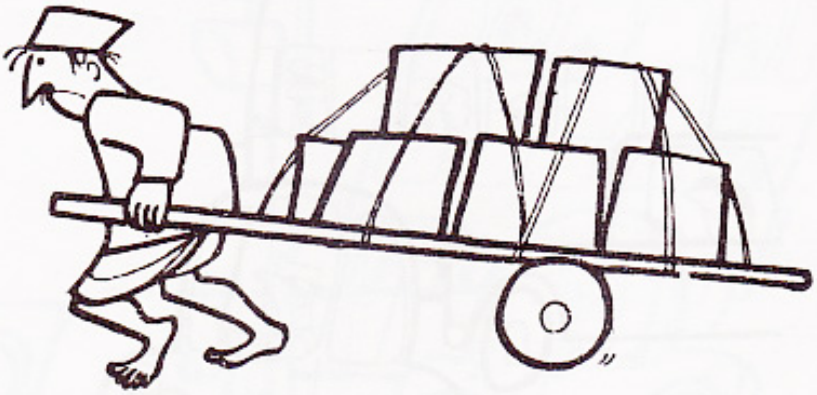


the correct word.

PULL
PUSH



PULL
PUSH

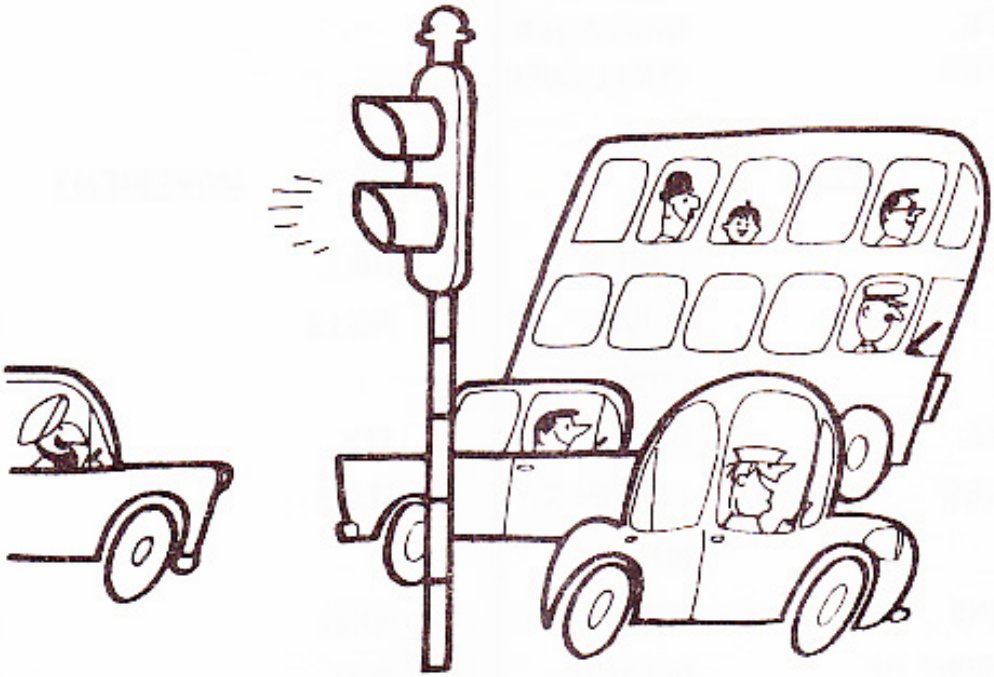


STOP GO

STOP, says the RED light.
Colour the STOP light, RED.

STOP GO

GO, says the GREEN light.
Colour the GO light, GREEN.



REVIEW

COLOUR

RED	ORANGE
YELLOW	GREEN
BLUE	PURPLE
	BROWN

SIZE

BIGGER	SMALLER
TALLER	SHORTER
LONGER	SHORTER
FATTER	THINNER
THICKER	THINNER
WIDER	NARROWER
DEEPER	SHALLOWER

SPACE

HIGHER	LOWER
UP	DOWN
OVER	UNDER
ABOVE	BELOW
NEARER	FARTHER
IN	OUT
AROUND	THROUGH
IN FRONT OF	BEHIND
BEFORE	AFTER

SHAPE

ROUND	CIRCLE
TRIANGLE	
QUADRILATERAL	

WEIGHT

HEAVIER	LIGHTER
AS HEAVY AS	AS LIGHT/AS

MOVEMENT

ROLL	FLOAT
ROLLS	FLOATS
FLY	INTO SPACE
FLIES	
PUSH	STOP
PULL	GO